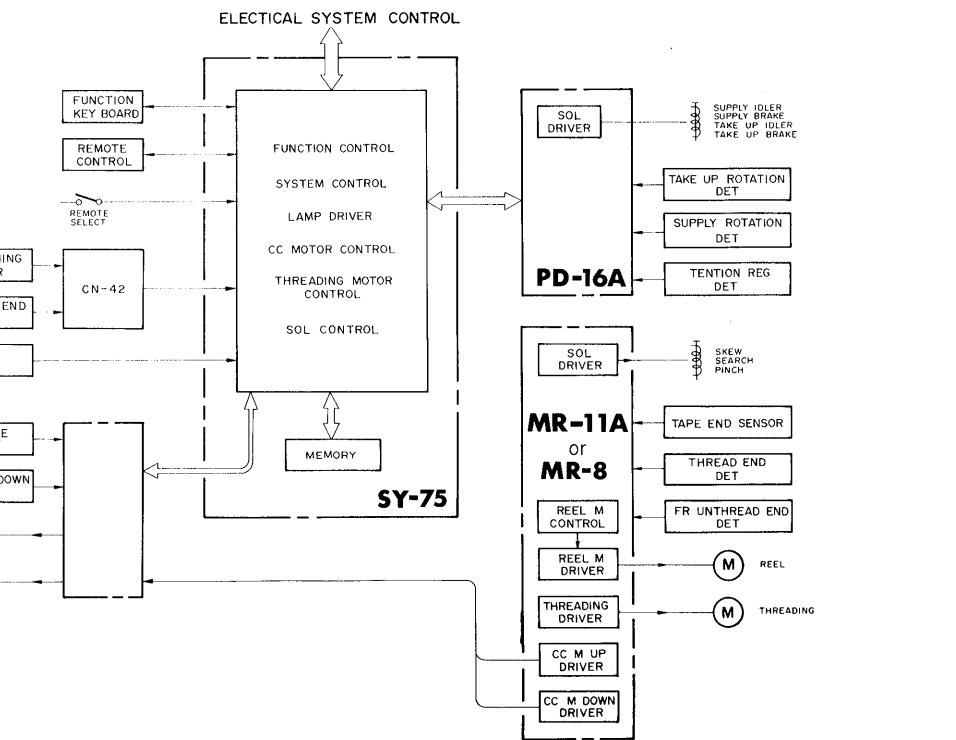
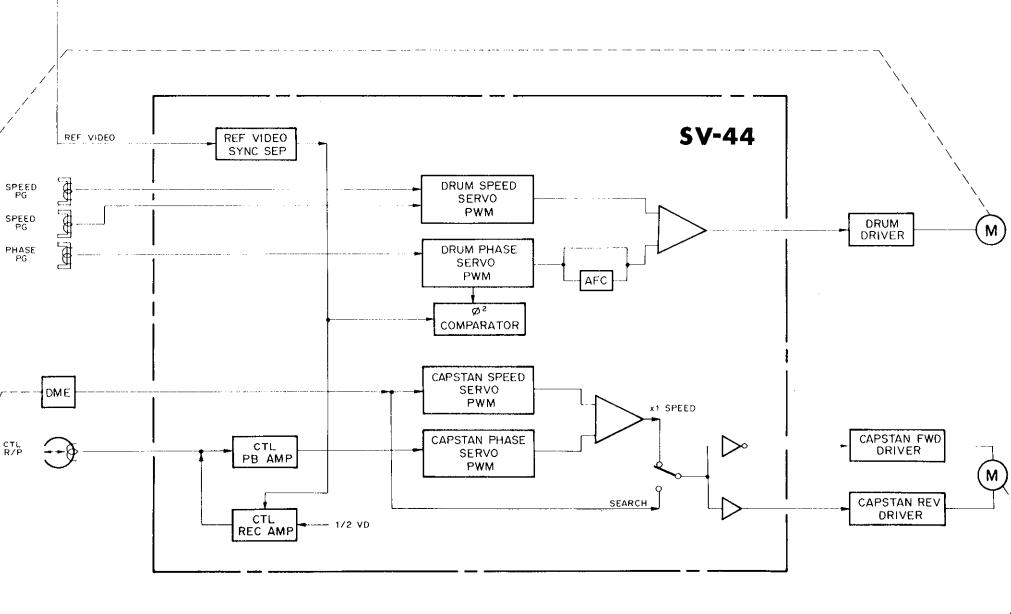
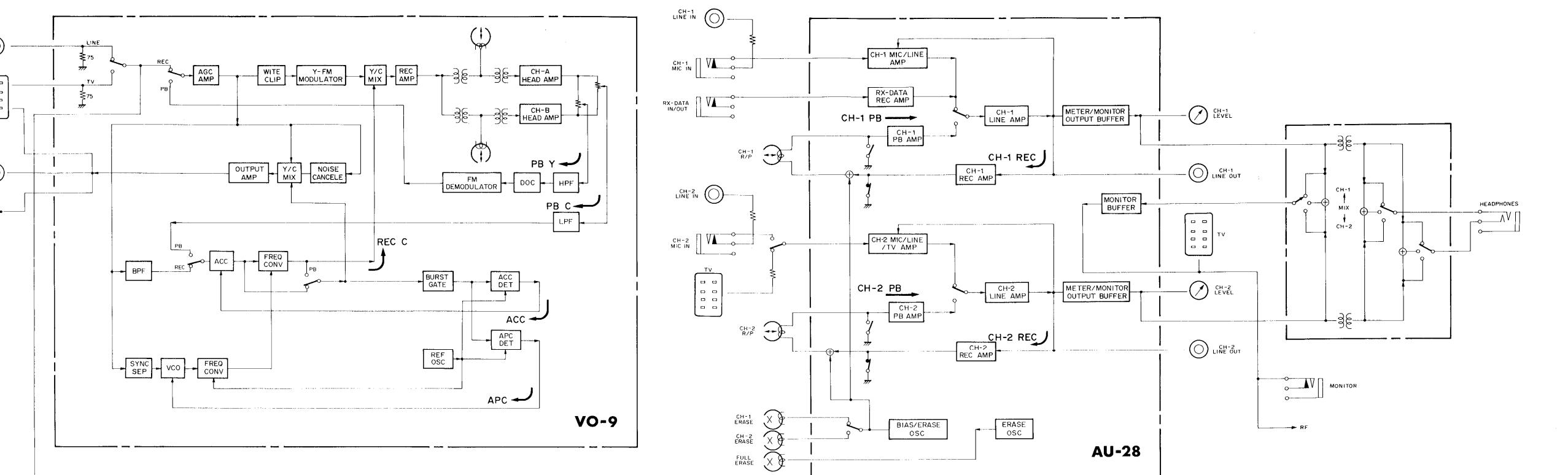


CIRCUIT FUNCTION OF THE PRINTED CIRCUIT BOARD

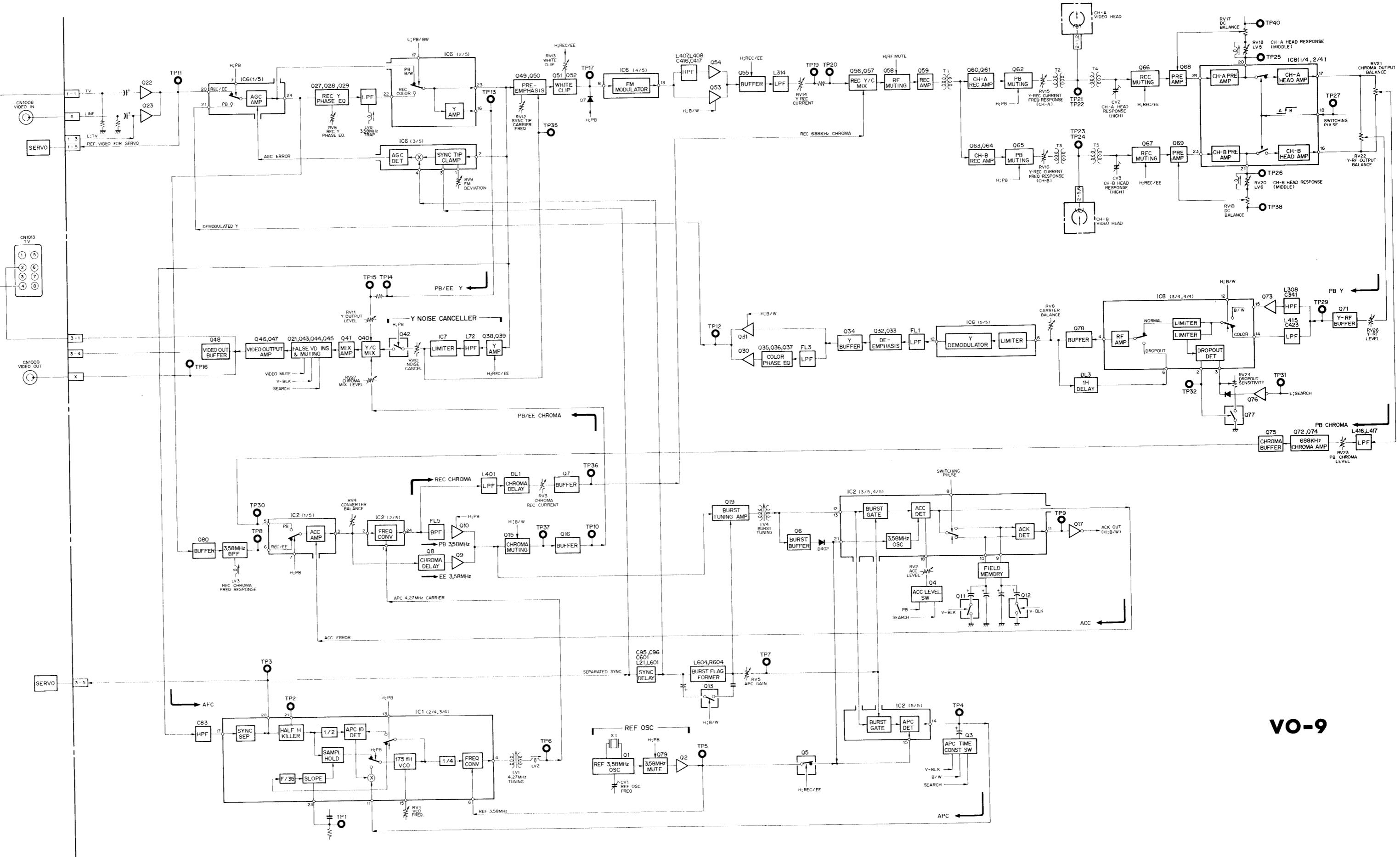
The Circuit Board Information is Provided Below

SYSTEM	BOARD	CIRCUIT FUNCTION
VIDEO	VO-9	*Luminance and Chrominance Signal Modulator/Demodulator
AUDIO	AH-3	*Audio REC/PB/ERASE and CTL REC/PB Head
	AU-28	*Audio REC/PB Amplifier *Bias/Erase Oscillator
	EC-19	*Full Erase Head
	HP-6	*Headphones Jack/Level Control
	MC-14	*Audio Meter/Level and Tracking Control
	MI-5	*CH-1/CH-2 Mic Input
SERVO	DR-17	*Drum/Capstan Driver
	SV-44	*Drum/Capstan Speed and Phase PWM Servo
POWER	AC-26	*AC input
	DC-13	*Power Supply/Regulator
	UR-01	*Switching Regulator
SYSTEM CONTROL	CC-9	*Cassette Compartment Motor/Pilot Lamp
	CC-10	*Cassette In Detector
	CC-11	*Cassette Down Detector
	CN-42	*Connection Board
	FR-11	*Threading Ring Mechanical Position Detector
	KY-21	*Function Key Board *Display Driver *Mode/Input/Monitor Select
	LM-9	*Threading Motor
	MR-8	*Threading/CC Motor Driver
	MR-11A	*Reel Motor Control/Driver *Skew/Search/Pinch Solenoid Driver
	PD-16A	*Take up Idler/Brake Supply Idler/Brake Driver
	PH-4	*Tension Regulator
	PH-5	*Tape End/Tape Beginning Sensor
	PT-9	*Reel Motor Power Driver
	SW-43	*Supply/Take up Rotation Detecter
	SW-46	*Miss Rec Detect
	SW-50	*FR Unthread End Detect
	SY-75	*System Control

OVERALL BLOCK DIAGRAM

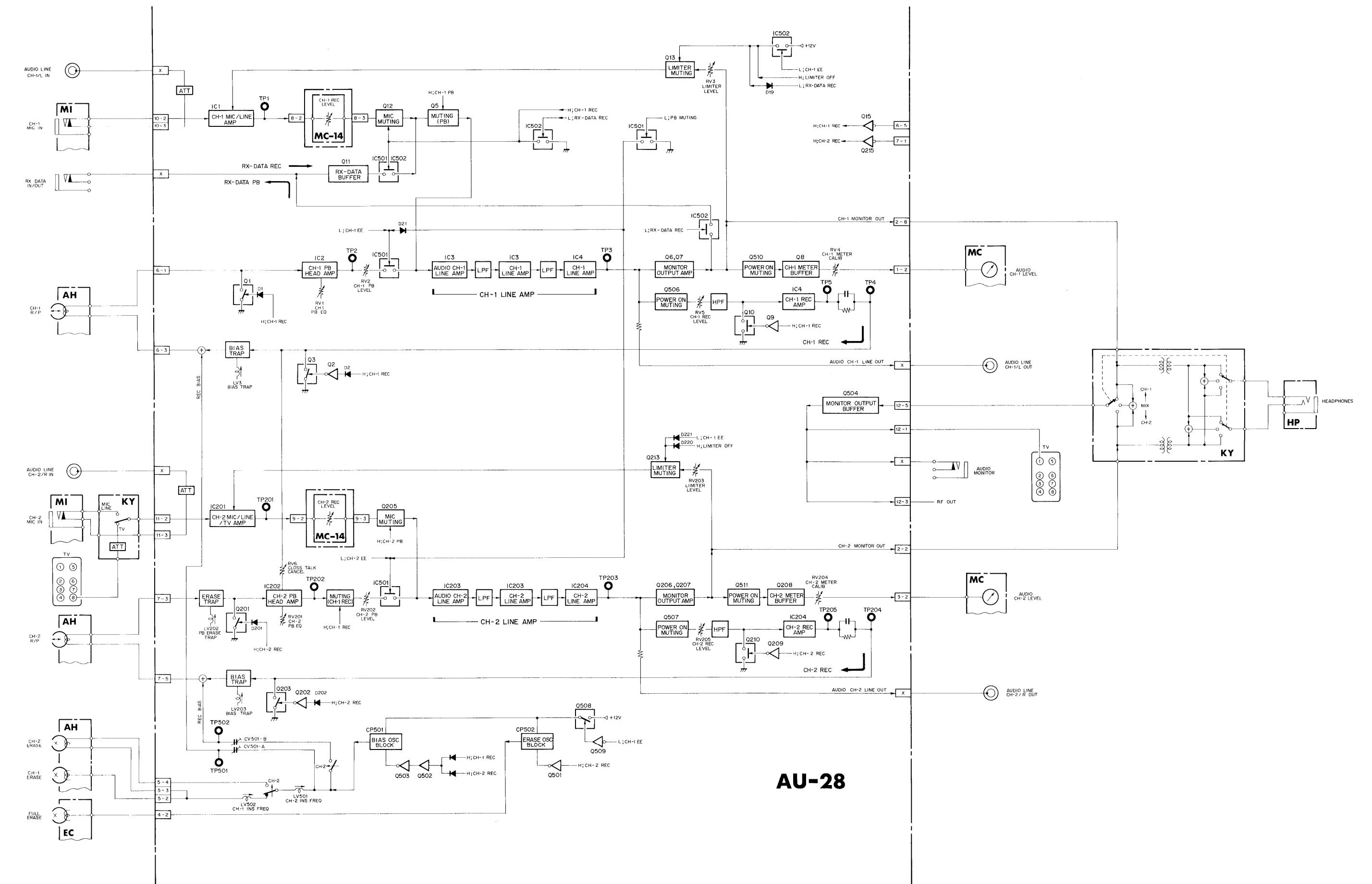


VIDEO SYSTEM BLOCK DIAGRAM

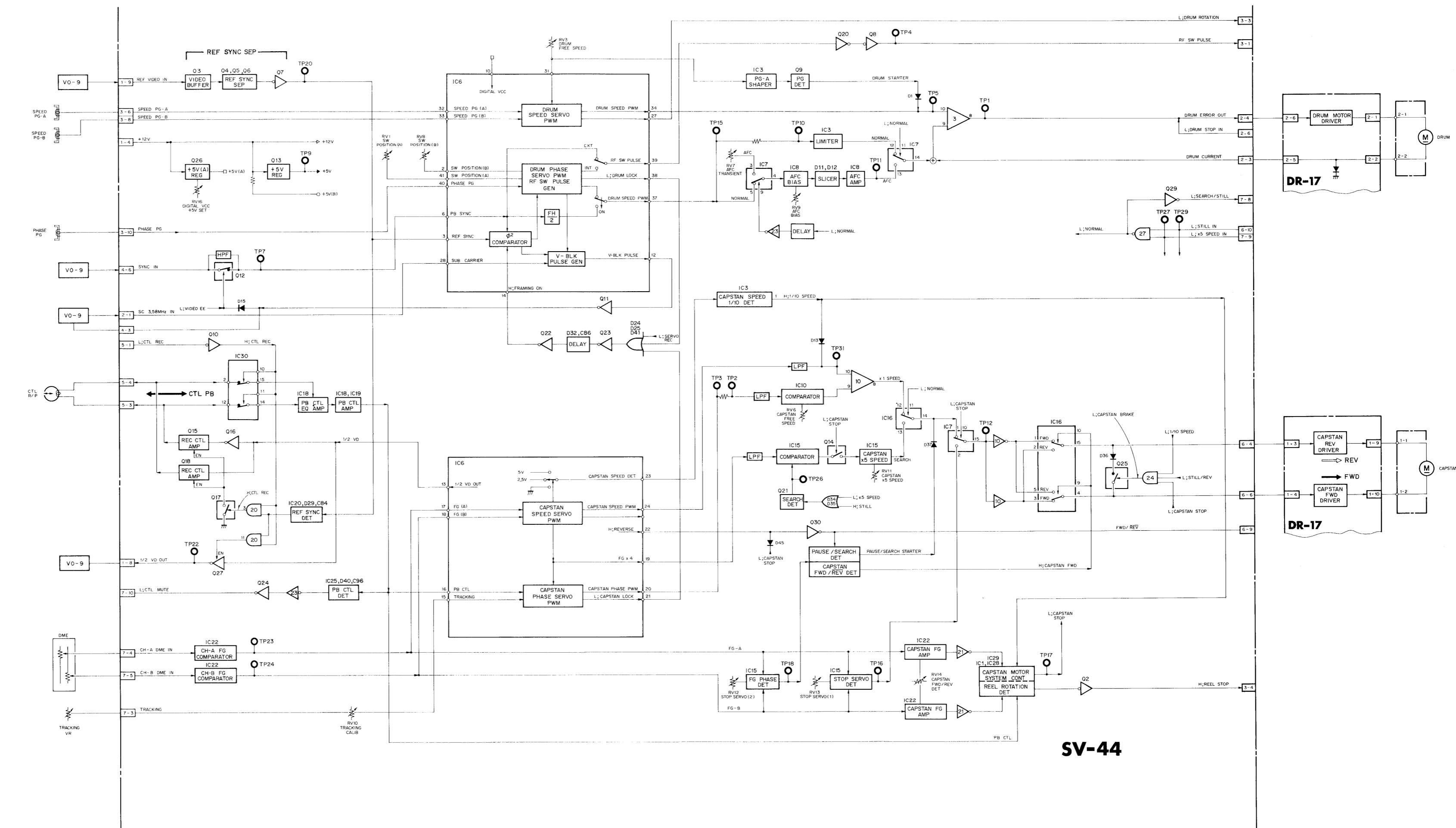


VO-9

AUDIO SYSTEM BLOCK DIAGRAM



SERVO SYSTEM BLOCK DIAGRAM

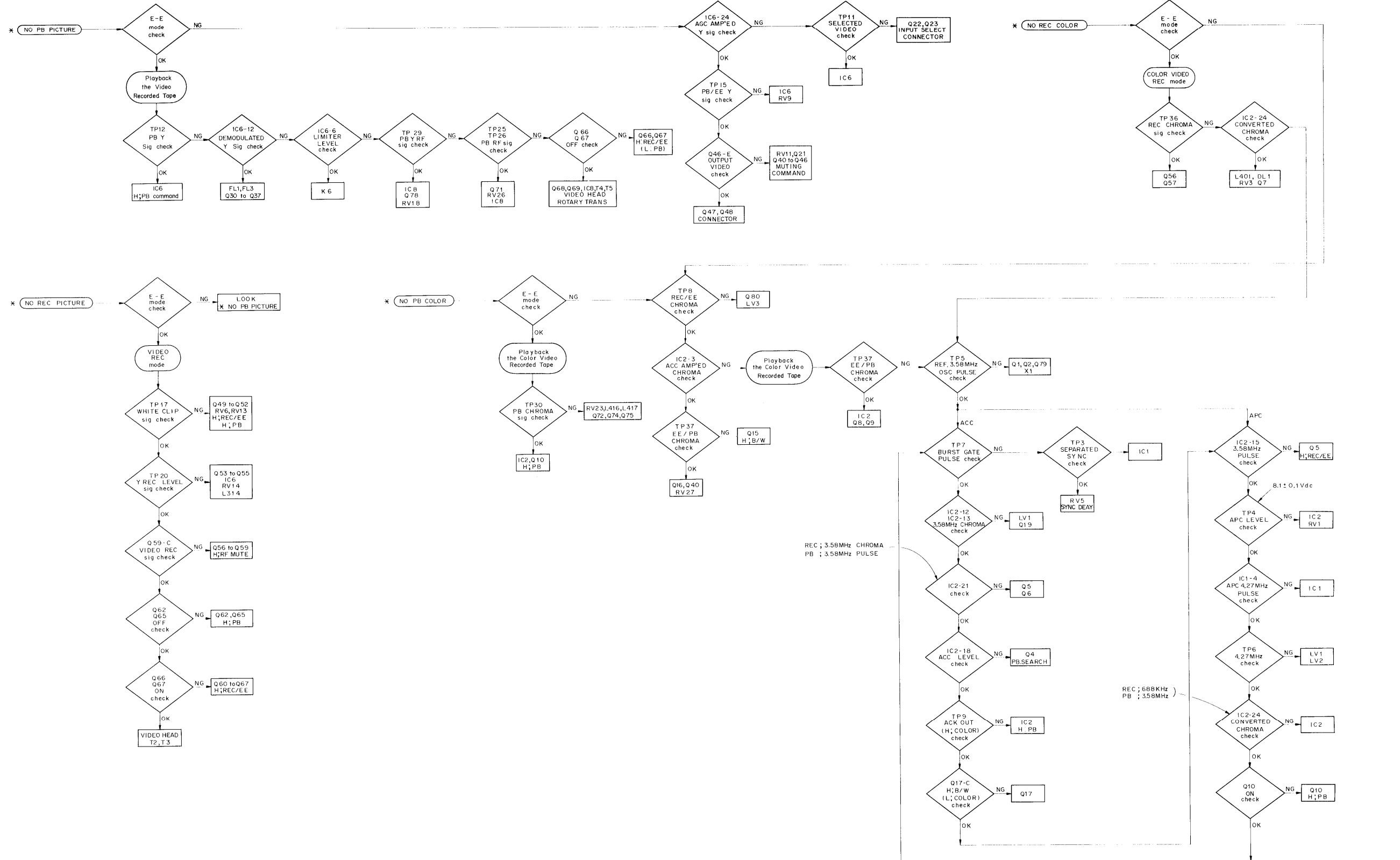


VIDEO FLOW CHART

SECTION 13 FLOW CHART

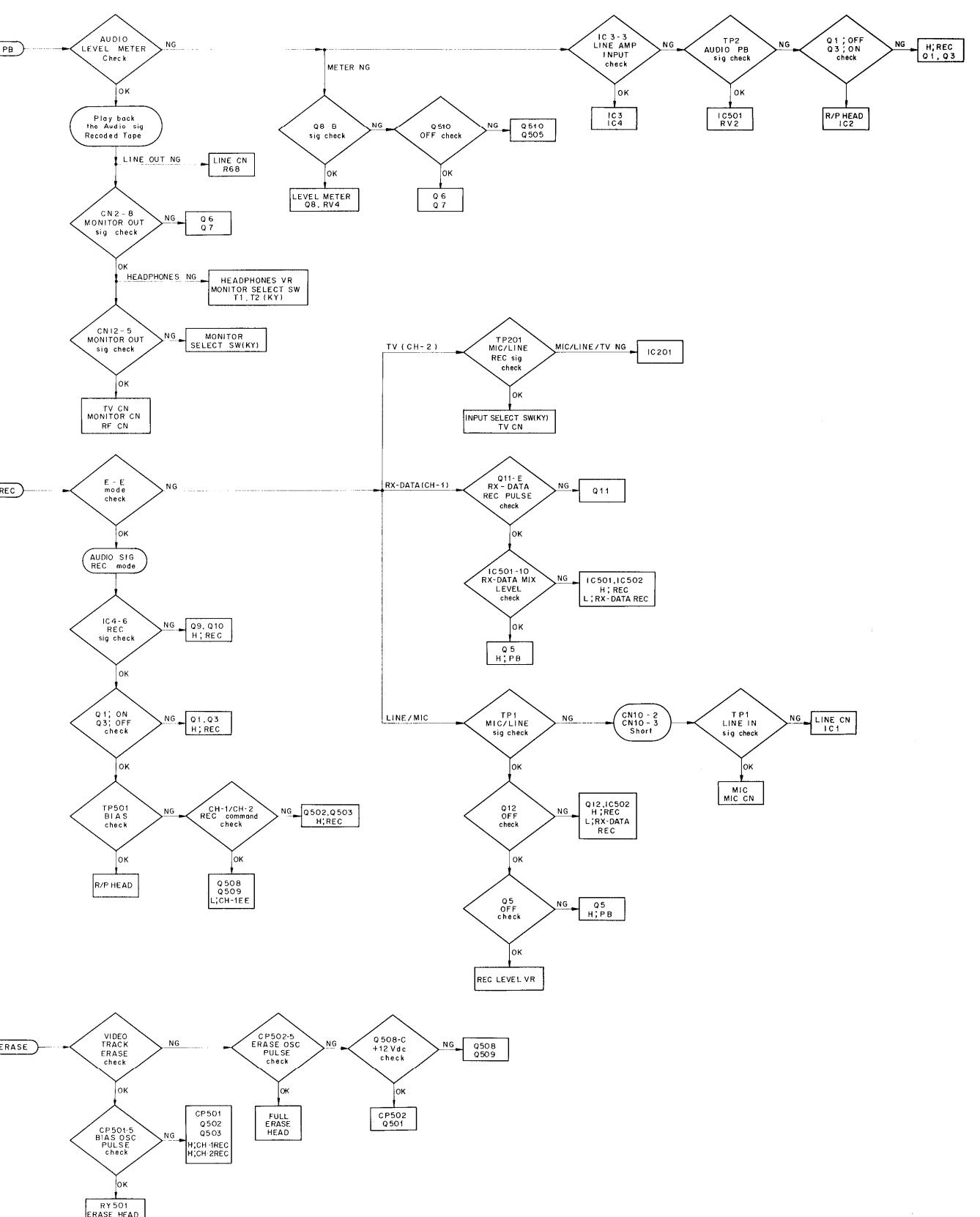
VIDEO SYSTEM FLOW CHART

CONDITION: CLEAN THE VIDEO HEAD
NORMAL SERVO SYSTEM



AUDIO FLOW CHART

CONDITION : CLEAN THE AUDIO HEAD

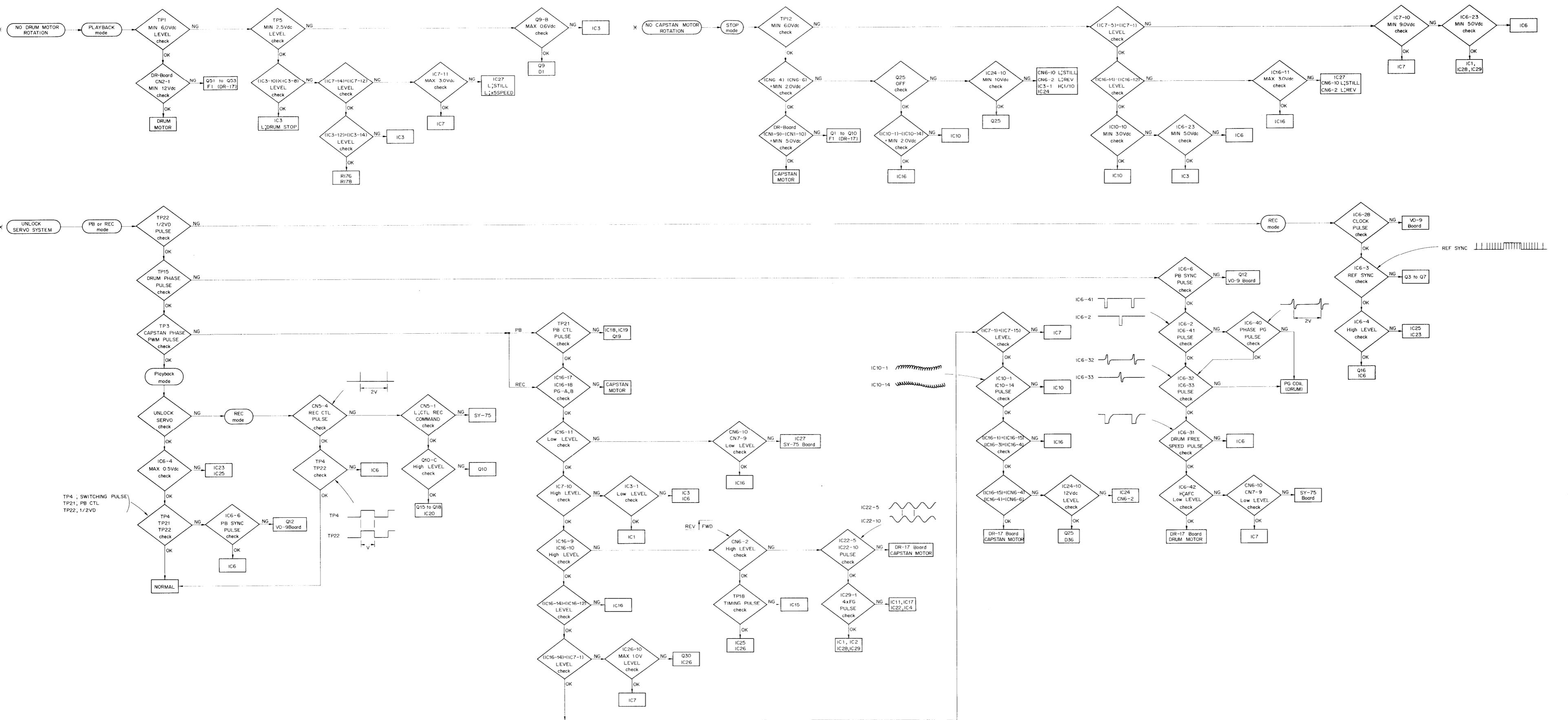


SERVO FLOW CHART

SERVO FLOW CHART

SERVO SYSTEM FLOW CHART

CONDITION ; CLEAN THE CTL HEAD
NORMAL VIDEO SYSTEM



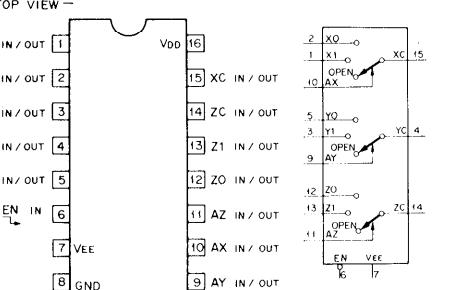
SEMICONDUCTOR ELECTRODES

SEMICONDUCTOR ELECTRODES

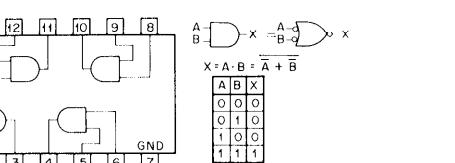
SEMICONDUCTOR ELECTRODES

SEMICONDUCTOR ELECTRODES

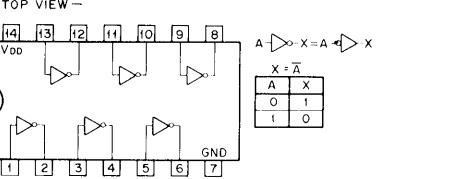
CD4053AE/BE (RCA)
TC4053BP (TOSHIBA)
HD41053BP (HITACHI)
C-MOS 2-CHANNEL MULTIPLEXER / DEMULTIPLEXER
TOP VIEW



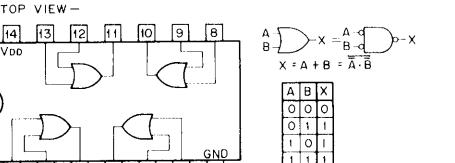
CD4091AE/BE (RCA)
TC4091BP (TOSHIBA)
 μ PD4081BC (NEC)
C-MOS 2-INPUT AND GATE
TOP VIEW



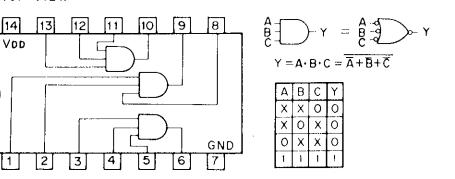
CD4069AE/BE (RCA)
TC4069BP (TOSHIBA)
MB84069B (FUJITSU)
 μ PD4069BC (NEC)
H-MOS INVERTER
C-MOS INVERTER
TOP VIEW



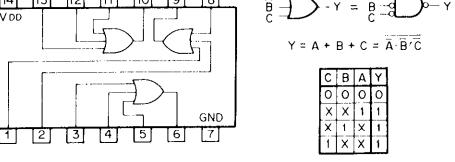
CD4071AE/BE (RCA)
TC4071BP (TOSHIBA)
 μ PD4071BC (NEC)
C-MOS 2-INPUT OR GATE
TOP VIEW



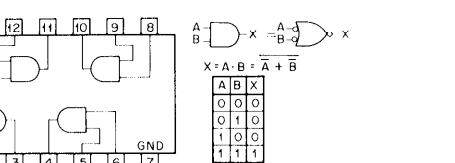
CD4073AE/BE (RCA)
TC4073BP (TOSHIBA)
C-MOS 3-INPUT POSITIVE AND GATE
TOP VIEW



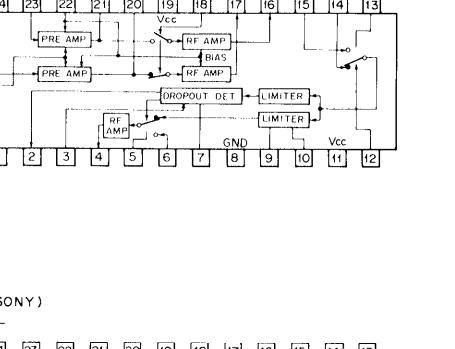
CD4075BE (RCA)
TC4075BP (TOSHIBA)
C-MOS 3-INPUT OR GATE
TOP VIEW



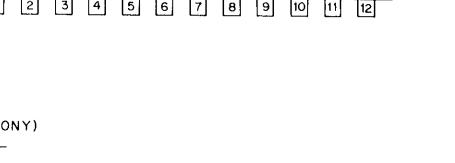
CX134A (SONY)
TOP VIEW



CX187 (SONY)
TOP VIEW



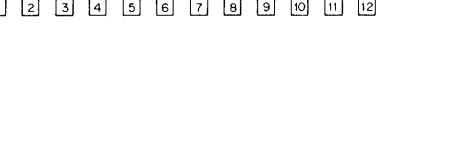
M54519P (MITSUBISHI)
7 STAGE DRIVER
TOP VIEW



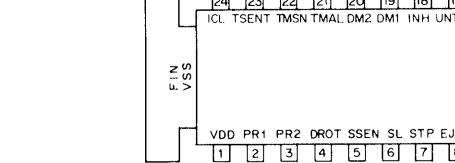
CX188 (SONY)
TOP VIEW



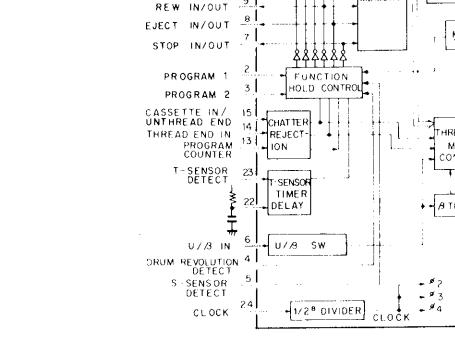
CX805 (SONY)
TOP VIEW



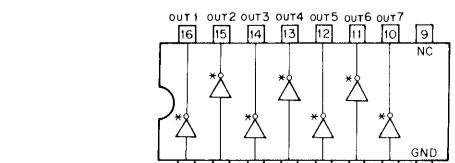
CX757 (SONY)
P-MOS VTR SYSTEM CONTROL
TOP VIEW



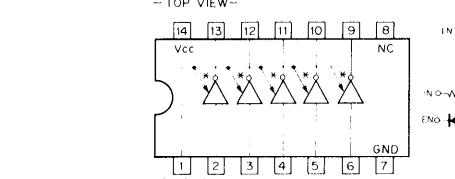
CX188 (SONY)
TOP VIEW



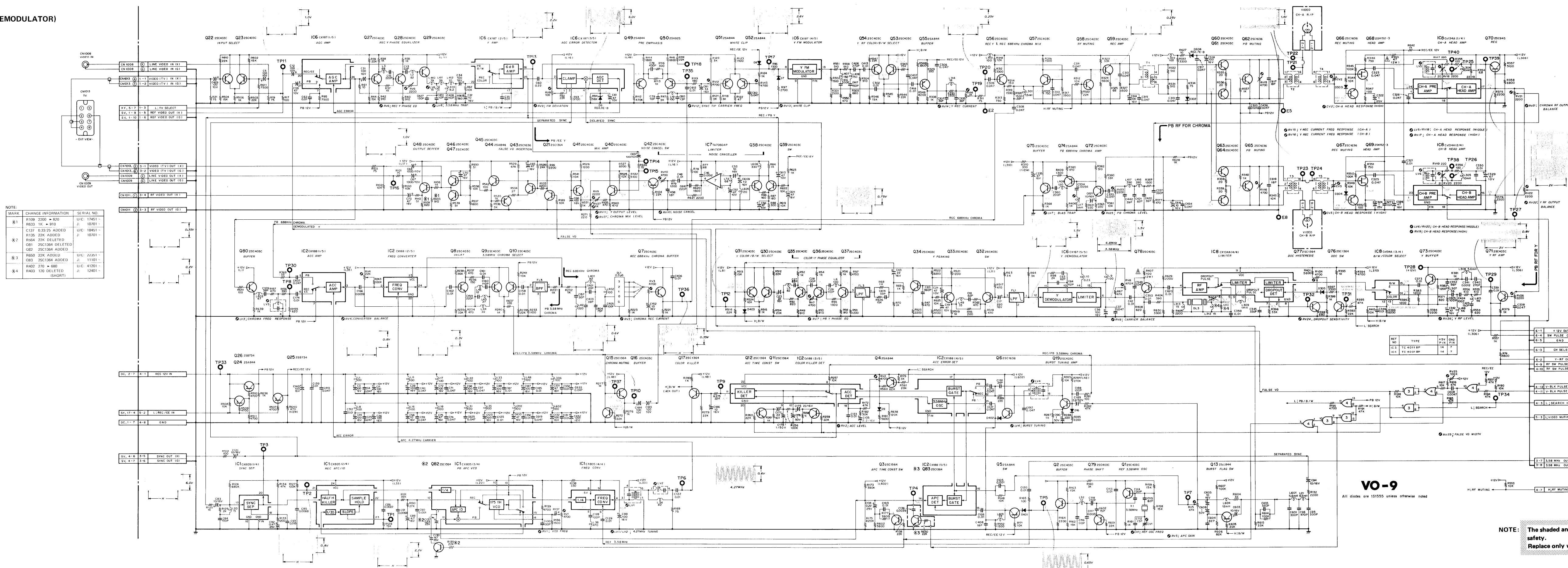
M54529P (MITSUBISHI)
TRANSISTOR ARRAY
TOP VIEW



NJM2903BP (JRC)
OPERATIONAL AMPLIFIER
TOP VIEW



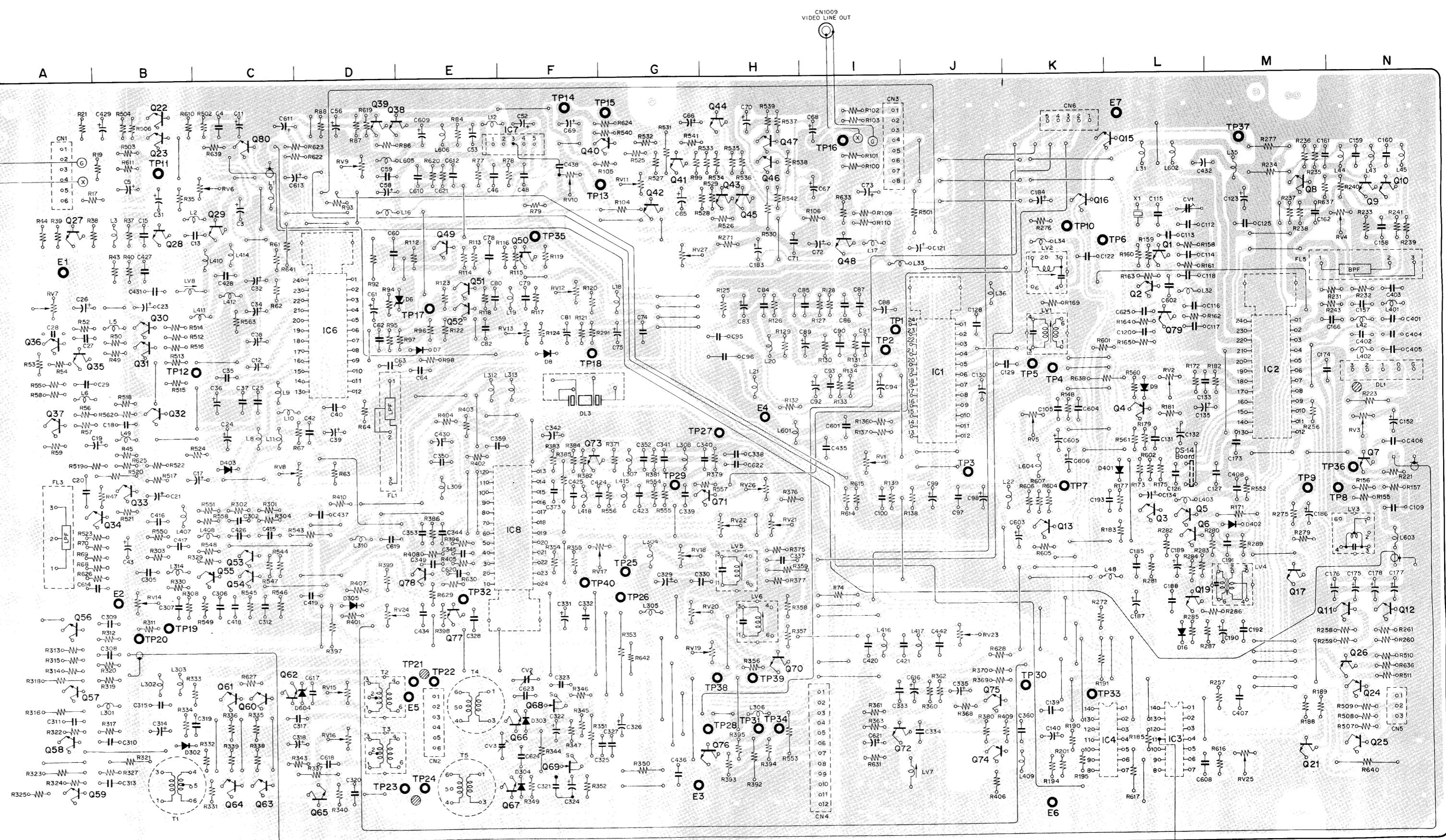
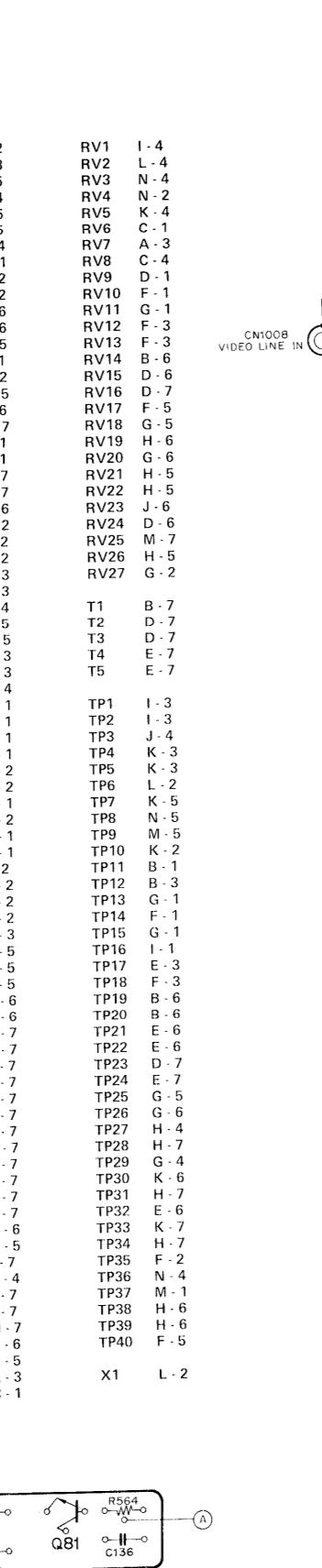
VO-9
(VIDEO MOD/DEMODULATOR)
DS-14



VO-9
(VIDEO MOD/DEMODULATOR)
DS-14

UP TO 12050 (U/C)

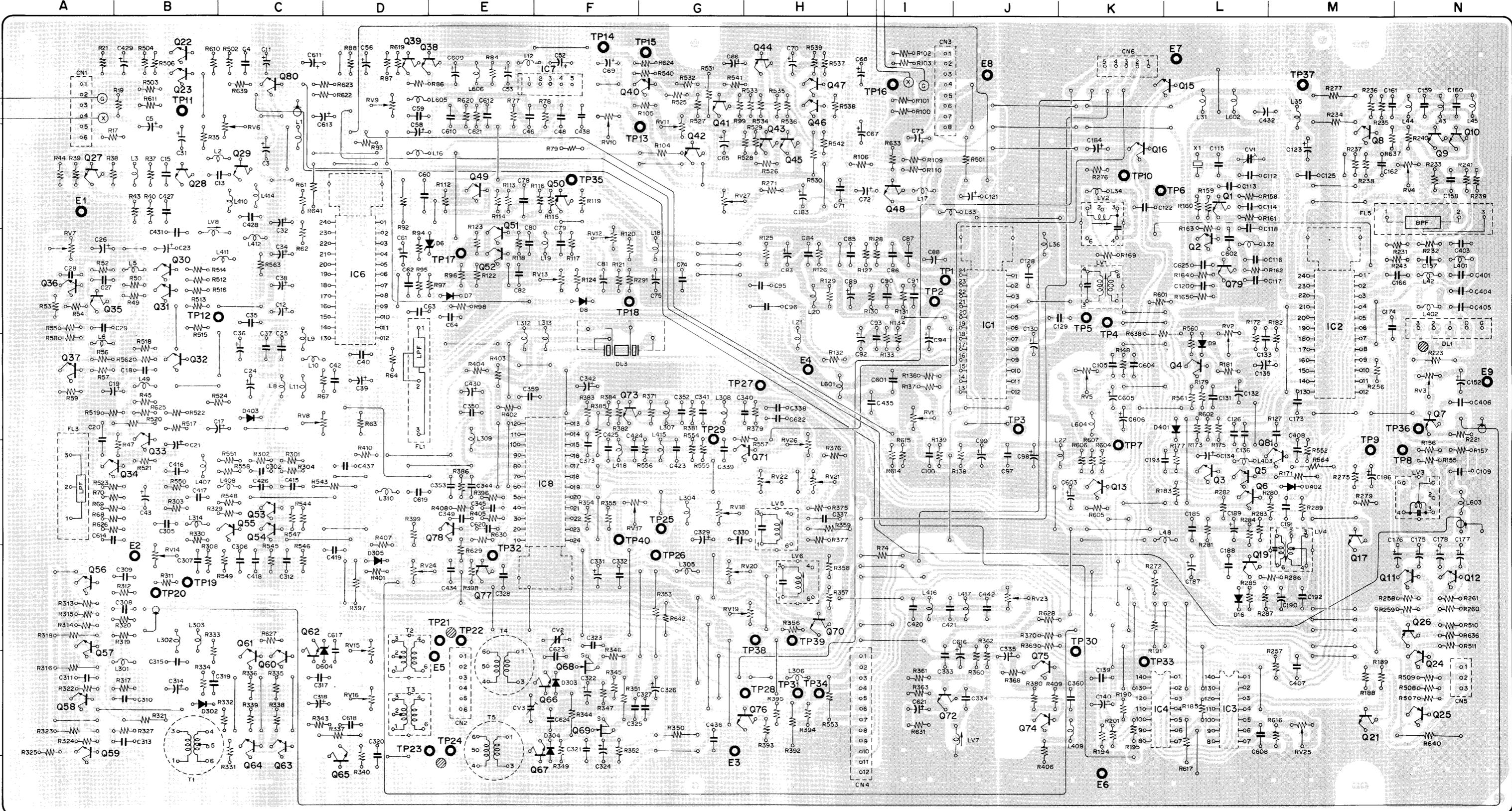
CN1	A - 1	Q1	L - 2
CN2	E - 7	Q2	L - 4
CN3	I - 1	Q3	L - 5
CN4	I - 7	Q4	N - 2
CN5	N - 7	Q5	L - 5
CN6	K - 1	Q6	L - 5
		Q7	N - 4
CV1	L - 2	Q8	M - 1
CV2	F - 6	Q9	N - 2
CV3	F - 7	Q10	N - 2
D6	D - 3	Q11	N - 6
D7	E - 3	Q12	N - 6
D8	F - 3	Q13	K - 5
D9	L - 4	Q14	M - 5
D16	L - 6	Q15	K - 2
D302	B - 7	Q16	D - 6
D303	F - 7	Q17	M - 7
D304	F - 7	Q18	G - 5
D305	D - 6	Q19	H - 6
D401	L - 4	Q20	B - 1
D402	M - 5	Q21	B - 1
D403	C - 4	Q22	B - 2
D604	C - 7	Q23	B - 2
E1	A - 2	Q24	C - 2
E2	B - 6	Q25	M - 7
E3	G - 7	Q26	J - 6
E4	H - 4	Q27	B - 3
E5	D - 7	Q28	B - 3
E6	K - 7	Q29	D - 6
E7	L - 1	Q30	G - 2
IC1	J - 3	Q31	A - 4
IC2	M - 3	Q32	D - 1
IC3	L - 7	Q33	D - 1
IC4	K - 7	Q34	G - 1
IC5	D - 3	Q35	K - 3
IC7	F - 1	Q36	G - 2
IC8	F - 5	Q37	H - 2
LV1	K - 3	Q38	H - 1
LV2	K - 2	Q39	M - 5
LV3	N - 5	Q40	K - 2
LV4	M - 5	Q41	B - 1
LV5	H - 5	Q42	B - 3
LV6	H - 6	Q43	G - 1
LV7	J - 7	Q44	H - 2
LV8	B - 3	Q45	H - 1
		Q46	M - 5
		Q47	K - 2
		Q48	B - 1
		Q49	G - 1
		Q50	F - 1
		Q51	E - 2
		Q52	E - 3
		Q53	C - 5
		Q54	C - 5
		Q55	C - 5
		Q56	A - 6
		Q57	A - 6
		Q58	A - 7
		Q59	A - 7
		Q60	C - 7
		Q61	C - 7
		Q62	C - 7
		Q63	C - 7
		Q64	C - 7
		Q65	D - 7
		Q66	F - 7
		Q67	F - 7
		Q68	F - 7
		Q69	F - 7
		Q70	H - 6
		Q71	H - 5
		Q72	I - 7
		Q73	F - 4
		Q74	J - 7
		Q75	J - 7
		Q76	H - 7
		Q77	E - 6
		Q78	E - 5
		Q79	L - 3
		Q80	C - 1



VO-9
(VIDEO MOD/DEMODULATOR)

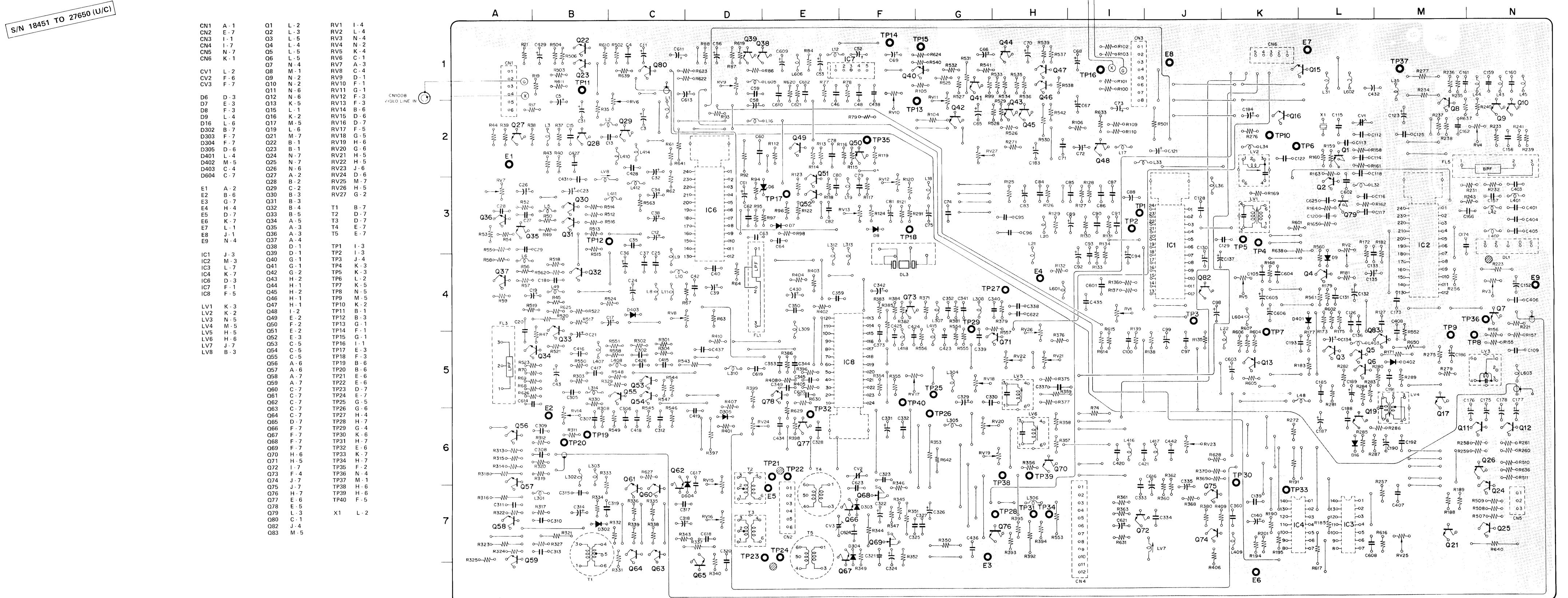
12051 TO 18450 (U/C)

CN1	A - 1	Q1	L - 2	RV1	I - 4
CN2	E - 7	Q2	L - 3	RV2	L - 4
CN3	I - 1	Q3	L - 5	RV3	N - 4
CN4	I - 7	Q4	L - 4	RV4	N - 2
CN5	I - 5	Q5	L - 5	RV5	K - 4
CN6	K - 1	Q6	L - 5	RV6	C - 1
CV1	L - 2	Q7	N - 4	RV7	A - 3
CV2	F - 7	Q8	M - 1	RV8	C - 4
CV3	F - 7	Q9	N - 2	RV9	D - 1
D6	D - 3	Q10	N - 2	RV10	F - 1
D7	D - 3	Q11	N - 6	RV11	G - 1
D8	F - 3	Q12	N - 6	RV12	F - 3
D9	L - 4	Q13	K - 5	RV13	F - 3
D16	L - 6	Q14	L - 1	RV14	B - 6
D302	B - 7	Q15	K - 2	RV15	D - 6
D303	F - 7	Q16	M - 5	RV16	D - 7
D304	F - 7	Q17	L - 6	RV17	F - 5
D305	D - 6	Q18	M - 7	RV18	G - 5
D401	L - 4	Q21	B - 1	RV19	H - 6
D402	M - 5	Q22	B - 1	RV20	G - 6
D403	C - 4	Q23	B - 1	RV21	H - 5
D604	C - 7	Q24	N - 7	RV22	H - 5
E1	A - 2	Q25	N - 7	RV23	J - 6
E2	B - 6	Q26	N - 6	RV24	D - 6
E3	G - 7	Q27	B - 3	RV25	M - 7
E4	H - 4	Q28	B - 4	RV26	H - 5
E5	D - 7	Q29	B - 4	RV27	G - 2
E6	K - 7	T1	B - 7		
E7	L - 1	T2	D - 7		
E8	J - 1	T3	D - 7		
E9	N - 4	T4	E - 7		
IC1	J - 3	T5	E - 7		
IC2	M - 3	T6	I - 3		
IC3	L - 7	T7	I - 3		
IC4	K - 7	T8	K - 3		
IC6	D - 3	T9	H - 2		
IC7	F - 1	T10	H - 1		
IC8	F - 5	T11	H - 2		
LV1	K - 3	T12	H - 1		
LV2	K - 2	T13	I - 2		
LV3	N - 5	T14	E - 2		
LV4	M - 5	T15	F - 2		
LV5	H - 5	T16	E - 2		
LV6	H - 6	T17	G - 1		
LV7	J - 7	T18	I - 1		
LV8	B - 3	T19	E - 3		
Q38	D - 1	TP1	I - 3		
Q39	D - 1	TP2	I - 3		
Q40	G - 1	TP3	J - 4		
Q41	G - 1	TP4	K - 3		
Q42	G - 2	TP5	K - 3		
Q43	H - 2	TP6	L - 2		
Q44	H - 1	TP7	K - 5		
Q45	H - 2	TP8	N - 5		
Q46	H - 1	TP9	M - 5		
Q47	H - 1	TP10	K - 2		
Q48	I - 2	TP11	B - 1		
Q49	E - 2	TP12	B - 3		
Q50	F - 2	TP13	G - 1		
Q51	E - 2	TP14	F - 1		
Q52	E - 3	TP15	G - 1		
Q53	C - 5	TP16	I - 1		
Q54	C - 5	TP17	E - 3		
Q55	C - 5	TP18	F - 3		
Q56	A - 6	TP19	B - 6		
Q57	A - 6	TP20	B - 6		
Q58	A - 7	TP21	E - 6		
Q59	A - 7	TP22	E - 6		
Q60	C - 7	TP23	D - 7		
Q61	C - 7	TP24	E - 7		
Q62	C - 7	TP25	G - 5		
Q63	C - 7	TP26	G - 6		
Q64	C - 7	TP27	H - 4		
Q65	D - 7	TP28	H - 7		
Q66	F - 7	TP29	G - 4		
Q67	F - 7	TP30	K - 6		
Q68	F - 7	TP31	H - 7		
Q69	F - 7	TP32	E - 6		
Q70	H - 6	TP33	K - 7		
Q71	I - 5	TP34	H - 7		
Q72	I - 7	TP35	F - 2		
Q73	F - 4	TP36	N - 4		
Q74	J - 7	TP37	M - 1		
Q75	J - 7	TP38	H - 6		
Q76	H - 7	TP39	H - 6		
Q77	E - 6	TP40	F - 5		
X1		L1	L - 2		



VO-9 SOLDERING SIDE

VO-9
(VIDEO MOD/DEMODULATOR)

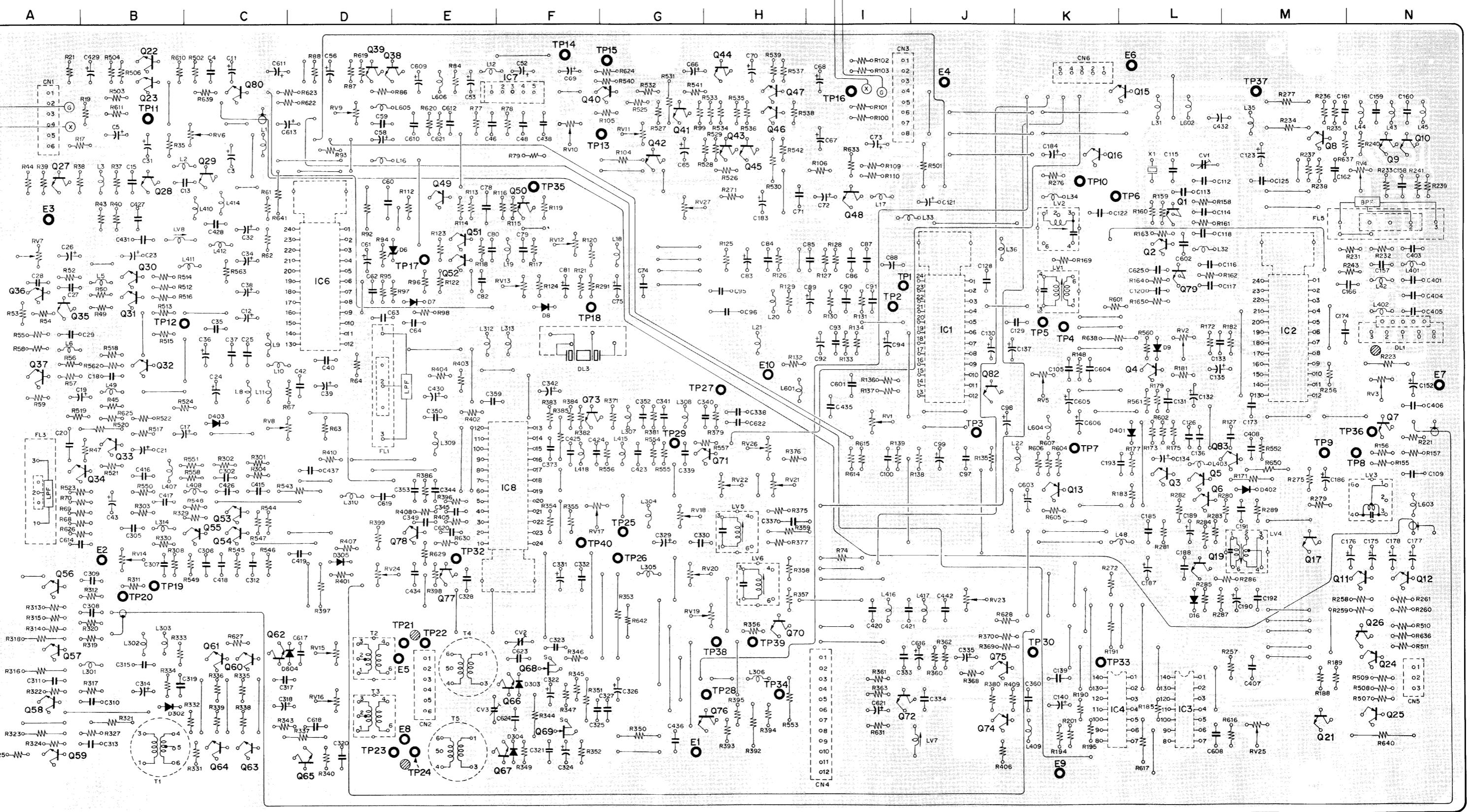


VO-9 SOLDERING SIDE
1-606-374-17
VO-5600

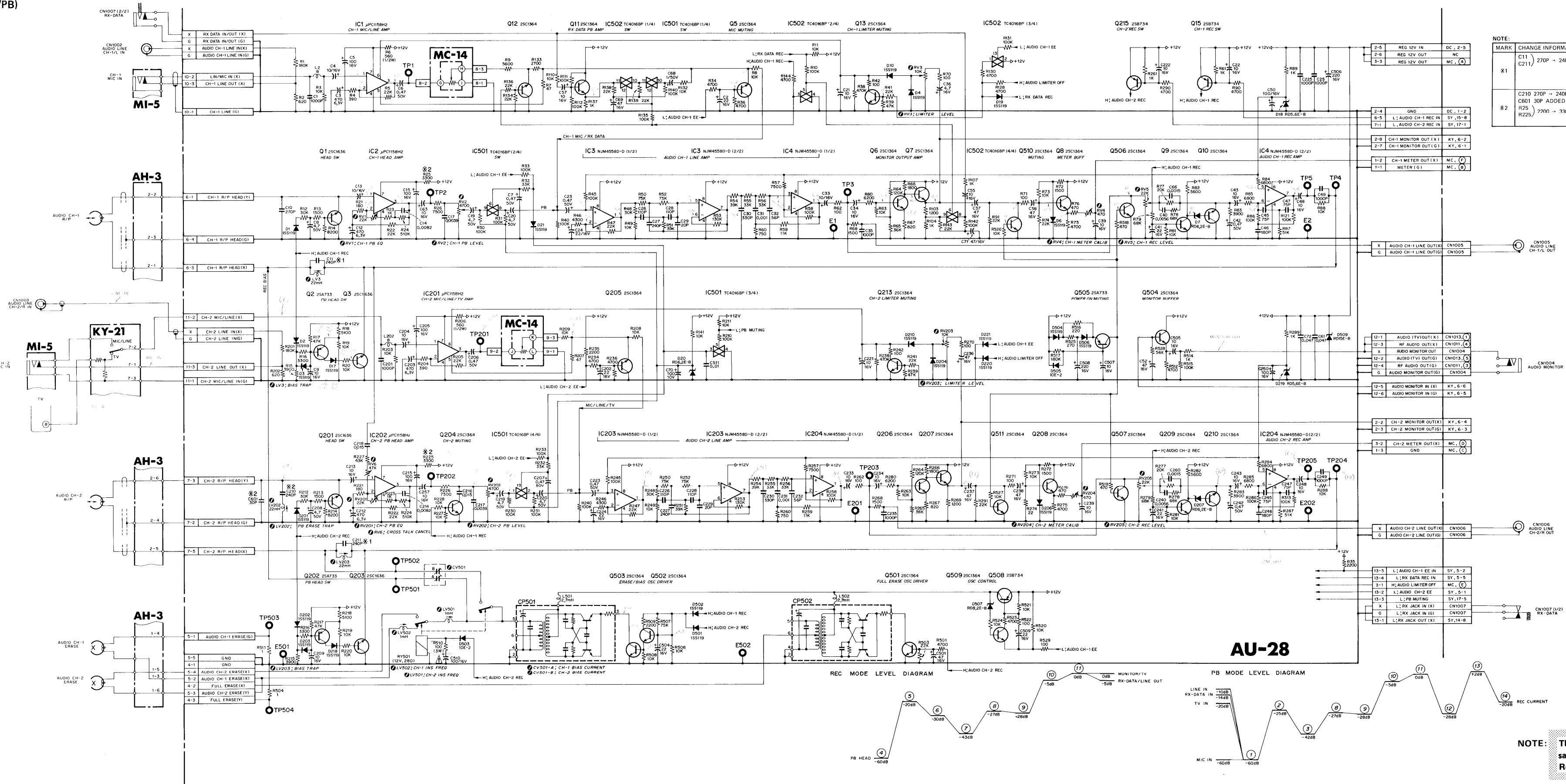
VO-9 (VIDEO MOD/DEMODULATOR)

SN 27651 AND LATER

CN1	A - 1	Q1	L - 2	RV1	I - 4
CN2	E - 7	Q2	L - 3	RV2	L - 4
CN3	I - 1	Q3	L - 5	RV3	N - 4
CN4	I - 7	Q4	L - 4	RV4	N - 2
CN5	N - 7	Q5	L - 5	RV5	K - 4
CN6	K - 1	Q6	L - 5	RV6	C - 1
CV1	L - 2	Q7	N - 4	RV7	A - 3
CV2	F - 6	Q8	M - 1	RV8	C - 4
CV3	F - 7	Q9	N - 2	RV9	D - 1
D6	D - 3	Q10	N - 6	RV10	F - 1
D7	E - 3	Q11	N - 6	RV11	G - 1
D8	F - 3	Q12	K - 5	RV12	F - 3
D9	L - 4	Q13	K - 1	RV13	F - 3
D16	L - 6	Q15	L - 1	RV14	B - 6
D302	B - 7	Q16	K - 2	RV15	D - 6
D303	F - 7	Q17	M - 5	RV16	D - 7
D304	F - 7	Q19	L - 6	RV17	F - 5
D305	D - 6	Q21	M - 7	RV18	G - 5
D401	L - 4	Q22	B - 1	RV19	H - 6
D402	M - 5	Q23	B - 1	RV20	G - 6
D403	C - 4	Q24	N - 7	RV21	H - 5
D604	C - 7	Q25	N - 7	RV22	H - 5
E1	G - 7	Q26	C - 2	RV23	J - 6
E2	B - 6	Q27	B - 3	RV24	D - 6
E3	A - 2	Q28	B - 3	RV25	M - 7
E4	J - 1	Q29	B - 4	T1	B - 7
E5	D - 7	Q30	B - 5	T2	D - 7
E6	L - 1	Q31	A - 5	T3	D - 7
E7	N - 4	Q32	A - 3	T4	E - 7
E8	E - 7	Q33	A - 3	T5	E - 7
E9	K - 7	Q34	A - 4	T6	E - 7
E10	H - 4	Q35	D - 1	TP1	I - 3
IC1	J - 3	Q36	D - 1	TP2	I - 3
IC2	M - 3	Q37	G - 1	TP3	J - 4
IC3	L - 7	Q38	K - 3	TP4	K - 3
IC4	K - 7	Q39	G - 2	TP5	K - 3
IC6	D - 3	Q40	C - 2	TP6	L - 2
IC7	F - 1	Q41	G - 1	TP7	H - 1
IC8	F - 5	Q42	K - 1	TP8	N - 5
LV1	K - 3	Q43	H - 1	TP9	M - 5
LV2	K - 2	Q44	H - 1	TP10	K - 2
LV3	N - 5	Q45	C - 5	TP11	B - 1
LV4	M - 5	Q46	C - 5	TP12	B - 3
LV5	H - 5	Q47	C - 5	TP13	F - 2
LV6	H - 6	Q48	A - 6	TP14	F - 1
LV7	J - 7	Q49	E - 2	TP15	G - 1
LV8	B - 3	Q50	F - 2	TP16	I - 1
M56	A - 6	Q51	E - 2	TP17	E - 3
M57	A - 6	Q52	E - 3	TP18	E - 3
M59	A - 7	Q53	E - 3	TP19	B - 6
M60	C - 7	Q54	E - 3	TP20	B - 6
M61	C - 7	Q55	E - 6	TP21	E - 6
M62	C - 7	Q56	E - 6	TP22	E - 6
M63	C - 7	Q57	E - 4	TP23	G - 4
M64	C - 7	Q58	F - 7	TP24	G - 4
M65	D - 7	Q59	F - 7	TP25	H - 6
M66	F - 7	Q60	F - 7	TP26	H - 6
M67	F - 7	Q61	F - 6	TP27	H - 7
M68	F - 7	Q62	F - 6	TP28	H - 7
M69	F - 7	Q63	F - 7	TP29	K - 6
M70	H - 6	Q64	F - 7	TP30	H - 7
M71	H - 5	Q65	F - 2	TP31	H - 7
M72	I - 7	Q66	I - 7	TP32	H - 7
M73	F - 4	Q67	M - 1	TP33	K - 7
M74	J - 7	Q68	H - 6	TP34	H - 6
M75	J - 7	Q69	H - 6	TP35	H - 6
M76	H - 7	Q70	H - 7	TP36	H - 6
M77	E - 6	Q71	H - 5	TP37	M - 1
M78	E - 5	X1	L - 2	TP38	H - 6
M79	L - 3			TP39	H - 6
M80	C - 1			TP40	F - 5
M82	J - 4			TP41	
M83	M - 5			TP42	

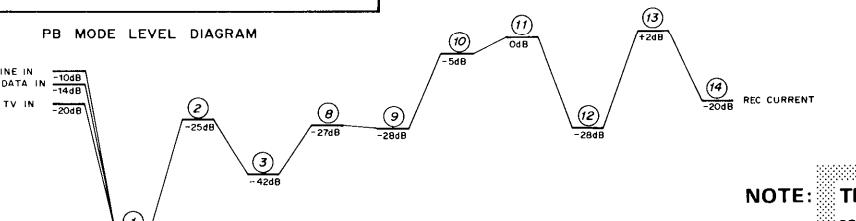
VO-9 SOLDERING SIDE
1-606-374-18
VO-5600

AU-28
(AUDIO REC/PB)



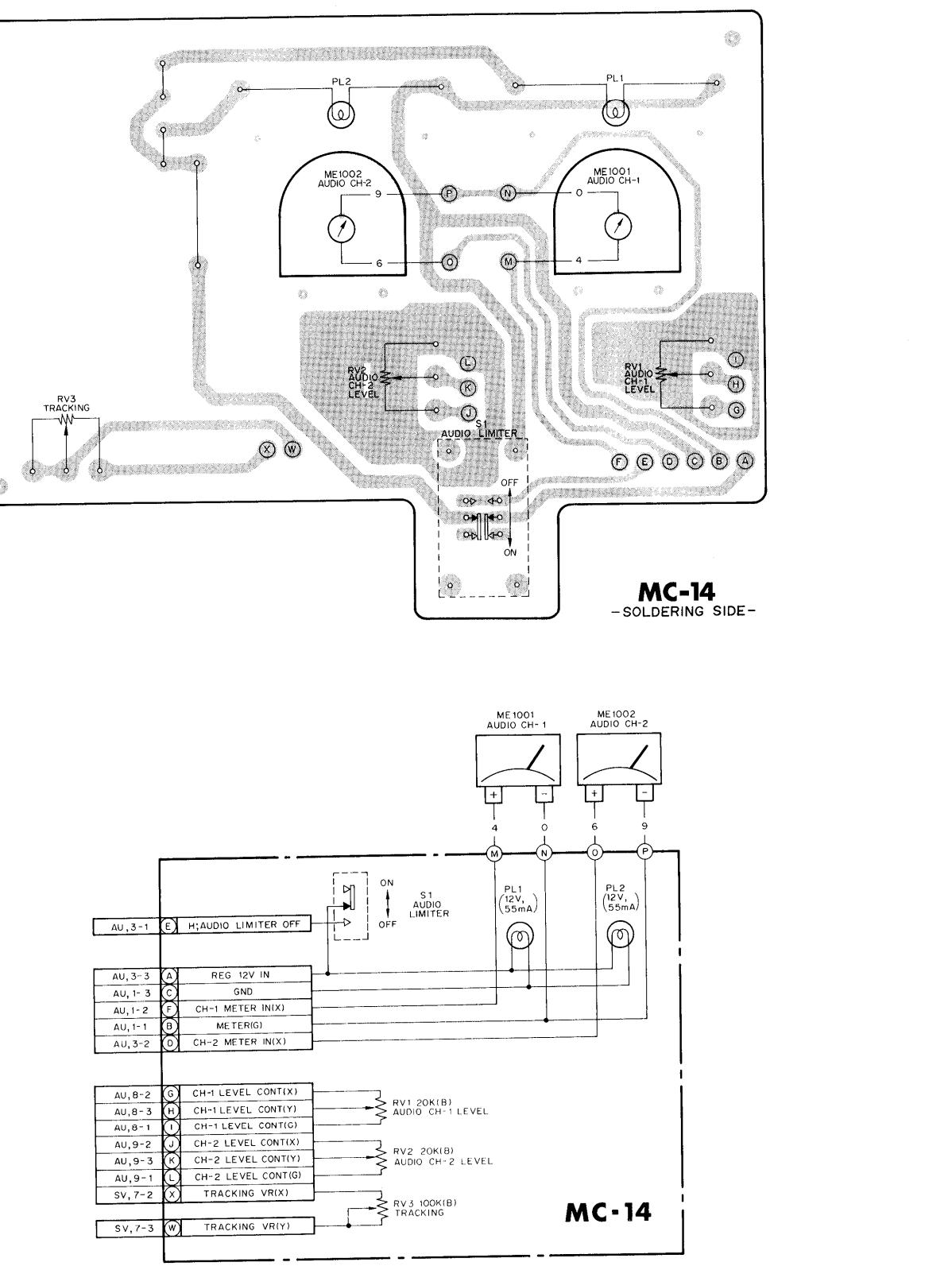
ANGE INFORMATION	SERIAL NO.
1) 270P → 240P	VO-5600 U/C: 15651~ " J: 10501~
	VO-5630 AEP: 13441~ " UK: 10511~ " U/C: 10201~
0 270P → 240P	VO-5600 U/C: 18451~ " J: 10701~
1 30P ADDED 5 2200 → 3300 25)	VO-5630 AEP: 16541~ " UK: 11511~ " U/C: 10201~

J-28

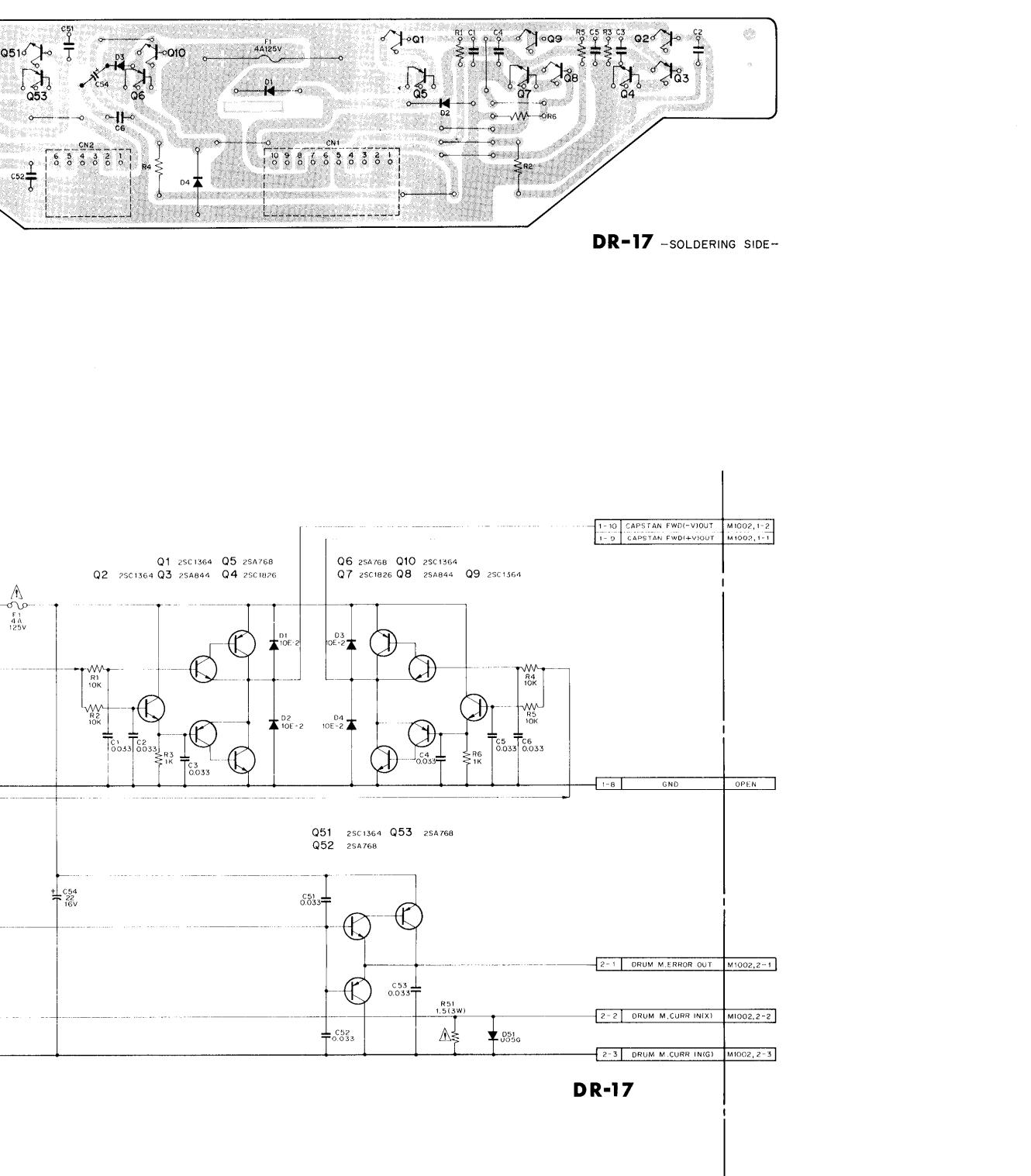


NOTE: The shaded and -marked components are critical to safety.
Replace only with same components as specified.

MC-14 (METER/TRACKING VR)

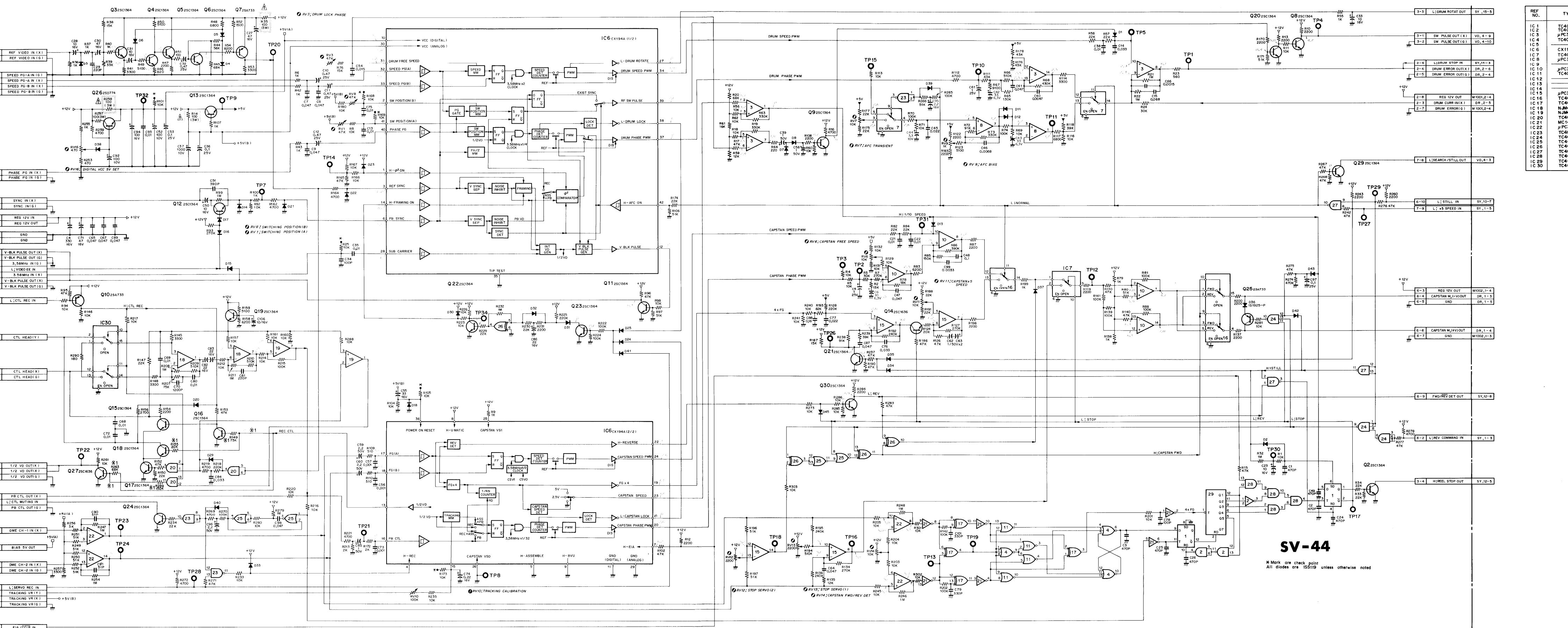


DR-17 (DRUM/CAPSTAN DRIVER)



/-44 (SERVO SYSTEM)

NOTE:		SY , 1 - 4	3 - 7
MARK	CHANGE INFORMATION	SERIAL NO.	
X1	R149 10K → 75K	U/C: 14151 ~	
	R151 22K DELETED	J: 10401 ~	
	R155 10K → 20K		
	R262 51K DELETED		
	R263 22K → 68K		
	R289 100K → 150K		



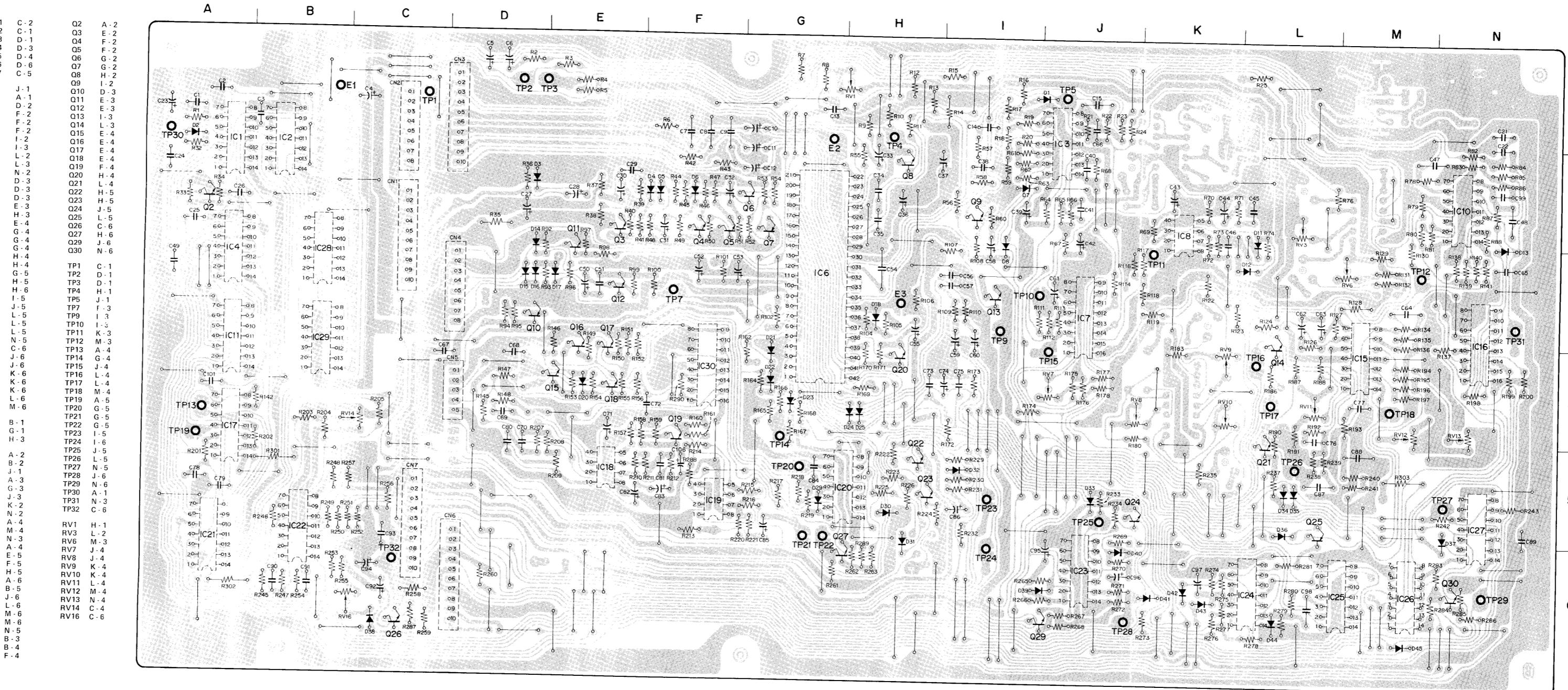
REF NO.	TYPE
IC 1	TC4013BP
IC 2	TC4013BP
IC 3	μ PC324C
IC 4	TC4025BP
IC 5	
IC 6	CX194A
IC 7	TC4053BP
IC 8	μ PC358C
IC 9	
IC 10	μ PC324C
IC 11	TC4001BP
IC 12	
IC 13	
IC 14	
IC 15	μ PC324C
IC 16	TC4053BP
IC 17	TC4030BP
IC 18	NJM4558D-D
IC 19	NJM4558D-D
IC 20	TC4081BP
IC 21	MC14584BCP
IC 22	μ PC324C
IC 23	TC4011BP
IC 24	TC4023BP
IC 25	TC4001BP
IC 26	TC4030BP
IC 27	TC4011BP
IC 28	TC4081BP
IC 29	TC4024BP
IC 30	TC4053BP

-36

88

NOTE: The shaded and -marked components are critical to safety.
Replace only with same components as specified.

UP TO 12050 (U/C)

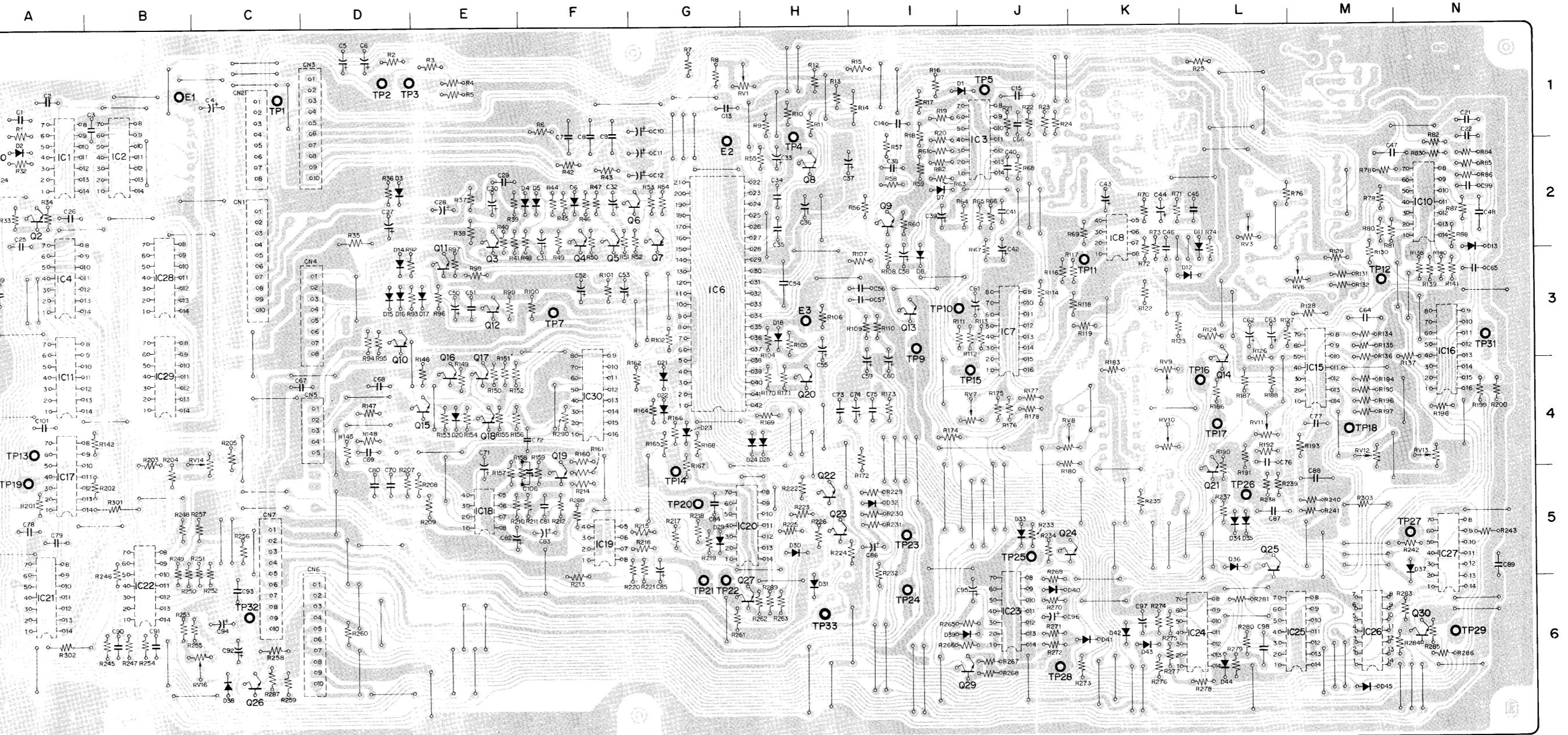


SV-44 - SOLDERING SIDE -

SV-44 (SERVO SYSTEM)

12051 TO 13050 (U/C)

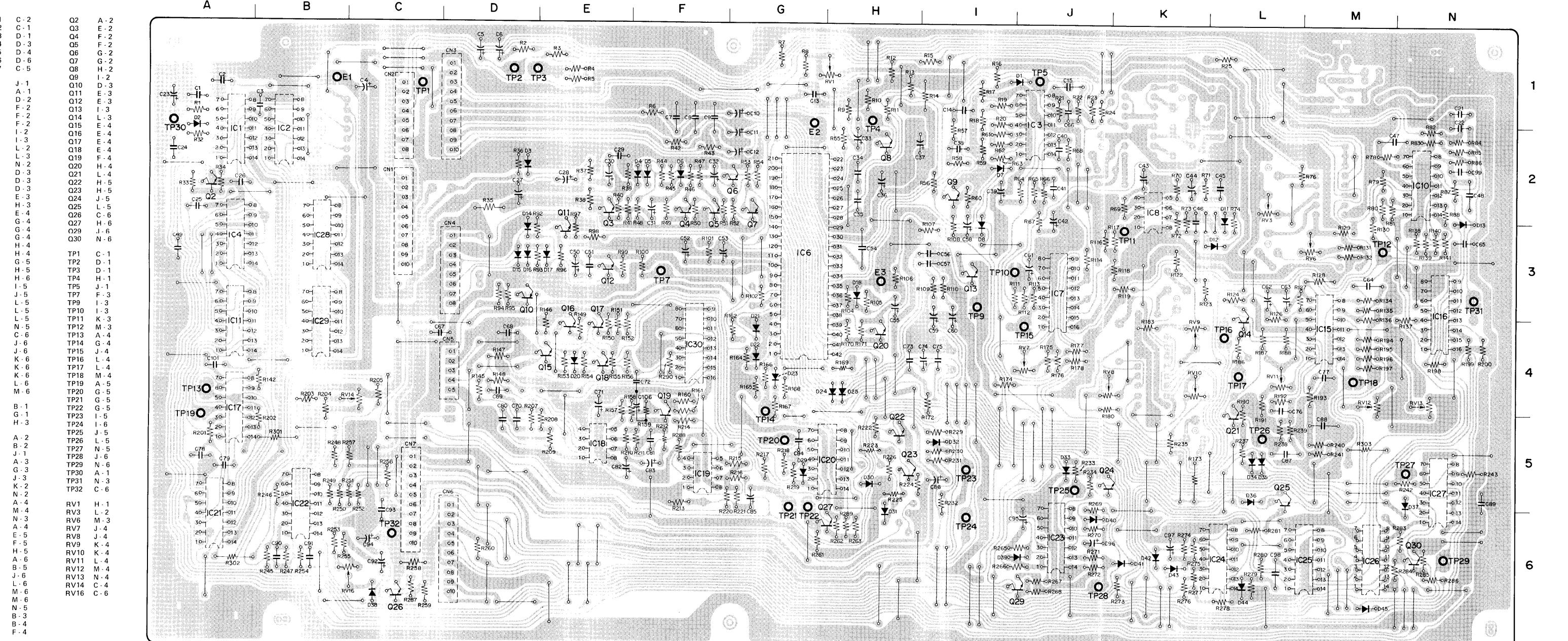
CN1	C . 2
CN2	C . 1
CN3	D . 1
CN4	D . 3
CN5	D . 4
CN6	D . 6
CN7	C . 5
D1	J . 1
D2	A . 1
D3	D . 2
D4	F . 2
D5	F . 2
D6	F . 2
D7	I . 2
D8	I . 3
D9	E . 4
D10	L . 2
D11	L . 3
D12	N . 2
D13	H . 4
D14	D . 3
D15	D . 3
D16	D . 3
D17	E . 3
D18	H . 3
D19	C . 6
D20	E . 4
D21	G . 4
D22	G . 4
D23	G . 4
D24	H . 4
D25	H . 4
D26	G . 5
D27	TP1 C . 1
D28	TP2 D . 1
D29	H . 5
D30	H . 6
D31	I . 5
D32	J . 5
D33	L . 5
D34	L . 5
D35	L . 5
D36	L . 5
D37	K . 3
D38	M . 3
D39	A . 4
D40	J . 6
D41	J . 6
D42	K . 6
D43	K . 6
D44	L . 6
D45	M . 6
E1	B . 1
E2	G . 1
E3	H . 3
IC1	A . 2
IC2	B . 2
IC3	J . 1
IC4	A . 3
IC5	G . 3
IC6	A . 1
IC7	J . 3
IC8	K . 2
IC9	N . 2
IC10	A . 4
IC11	M . 4
IC12	N . 3
IC13	RV1 H . 1
IC14	RV2 L . 2
IC15	RV3 M . 3
IC16	RV4 J . 4
IC17	RV5 K . 4
IC18	RV6 L . 4
IC19	RV7 M . 4
IC20	RV8 N . 4
IC21	RV9 C . 4
IC22	RV10 K . 4
IC23	RV11 L . 4
IC24	RV12 M . 4
IC25	RV13 N . 4
IC26	RV14 C . 4
IC27	RV15 C . 6
IC28	RV16 B . 3
IC29	RV17 B . 4
IC30	RV18 F . 4



SV-44 - SOLDERING SIDE -

SV-44 (SERVO SYSTEM)

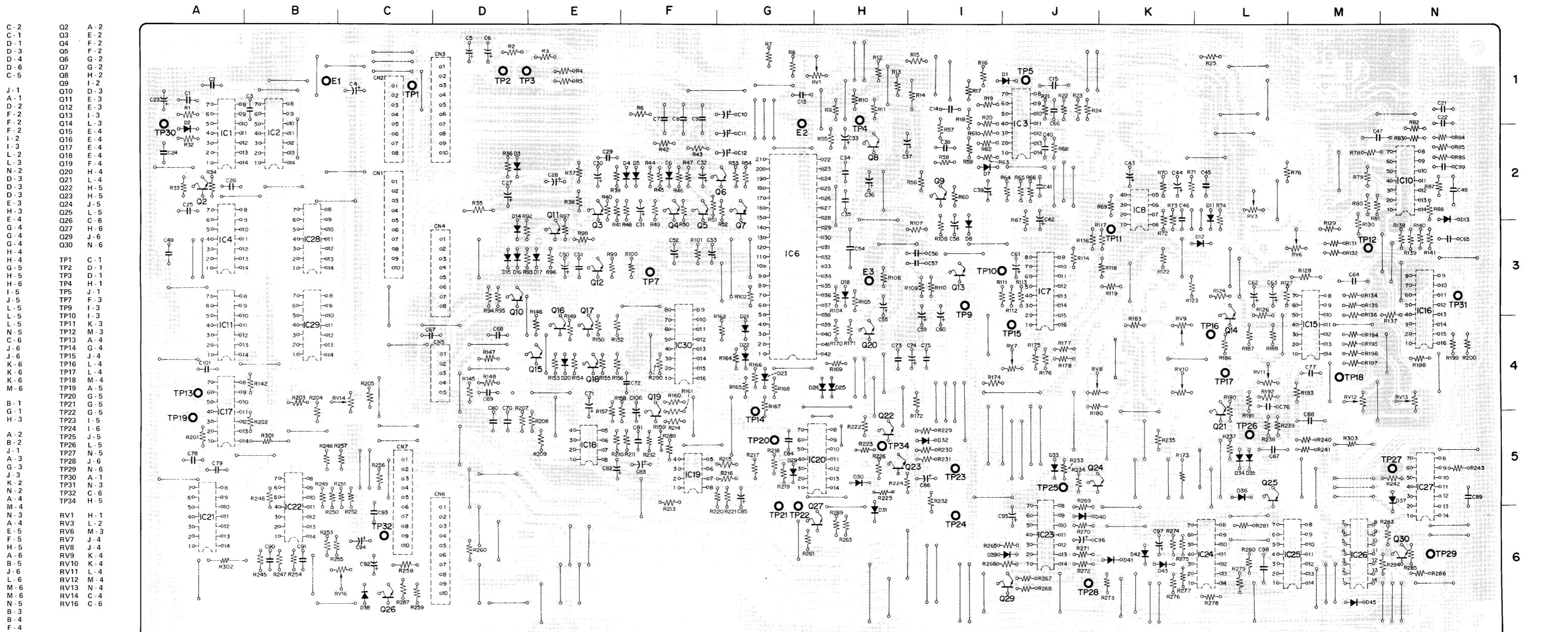
13051 TO 15650 (U/C)



SV-44 - SOLDERING SIDE-

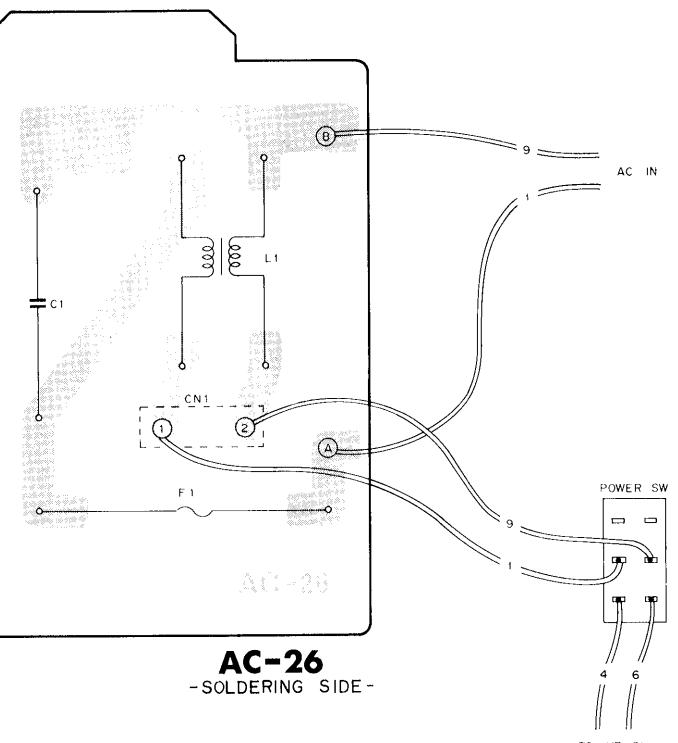
SV-44 (SERVO SYSTEM)

S/N 15651 AND LATER (U/C)

SV-44 - SOLDERING SIDE -
1-806-373-16,17,18,19
VO-5600

AC-26 (AC INPUT)

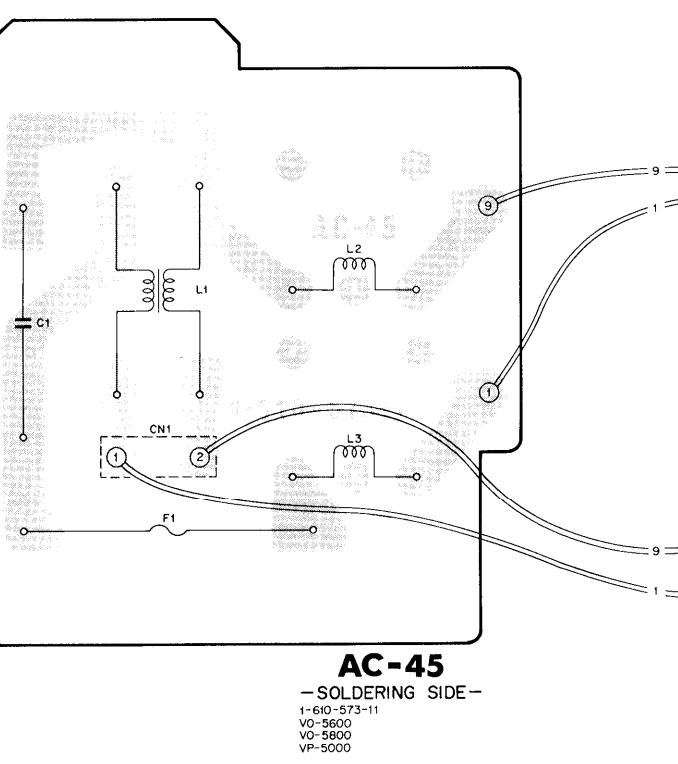
S/N UP TO 23850 (U/C)



AC-26
- SOLDERING SIDE -

AC-45 (AC INPUT)

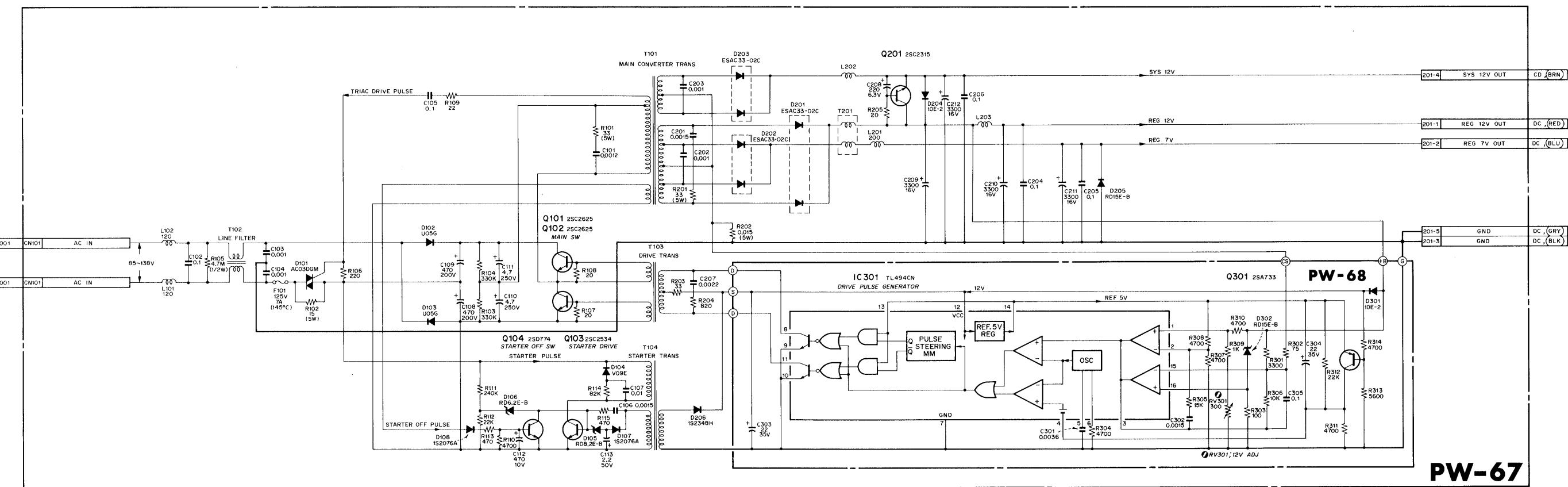
S/N 23851 AND LATER (U/C)



AC-45
— SOLDERING SIDE —
1-610-573-11
VO-5600

3-01 (SWITCHING REGULATOR)

W-67)
W-68)



PW-67

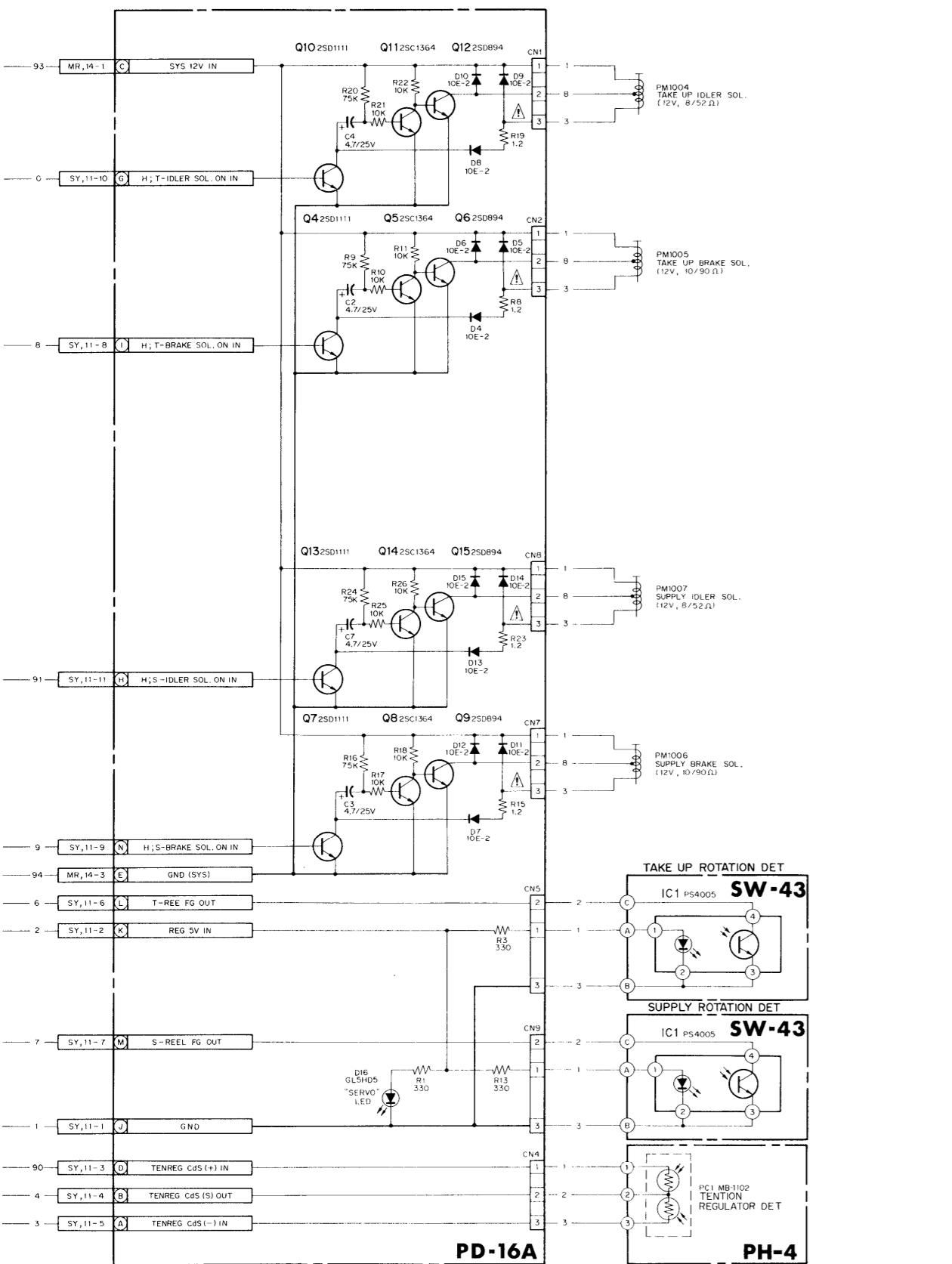
TCHING REGULATOR

NOTE:		
MARK	CHANGE INFORMATION	SERIAL NO.
*1	R106 100 → 220 R109 33 → 22	VO-5600 U/C: 2385 " J: 1120 VP-5000 U/C: 2485 " J: 1120

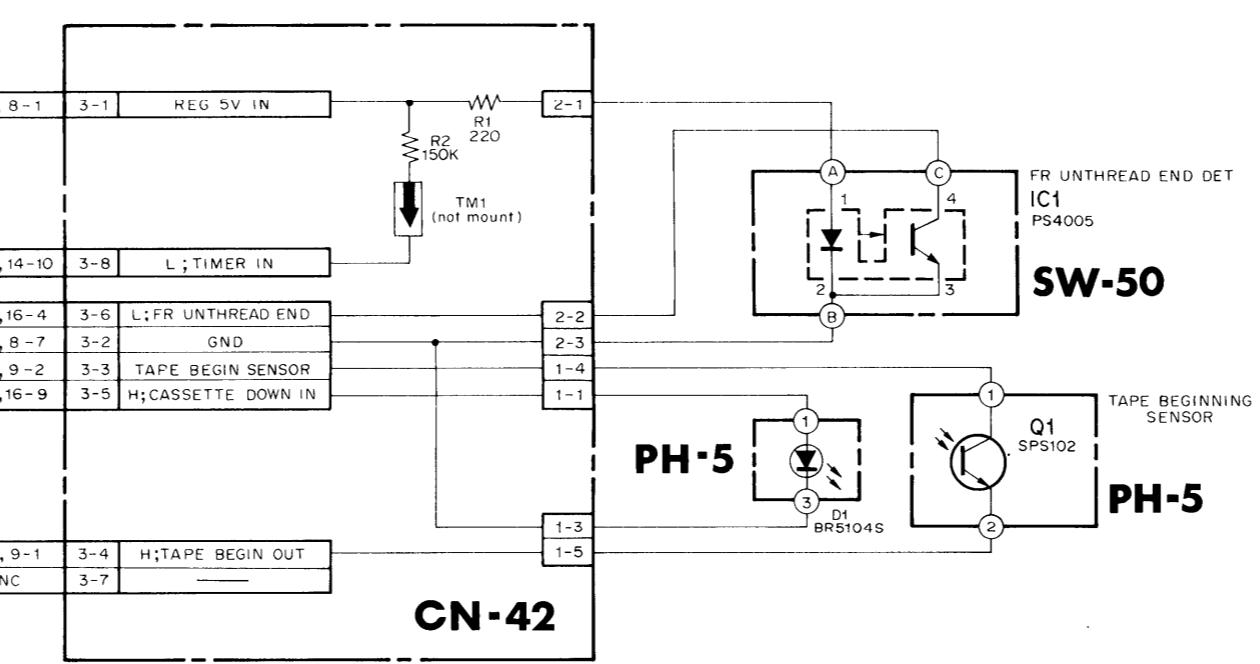
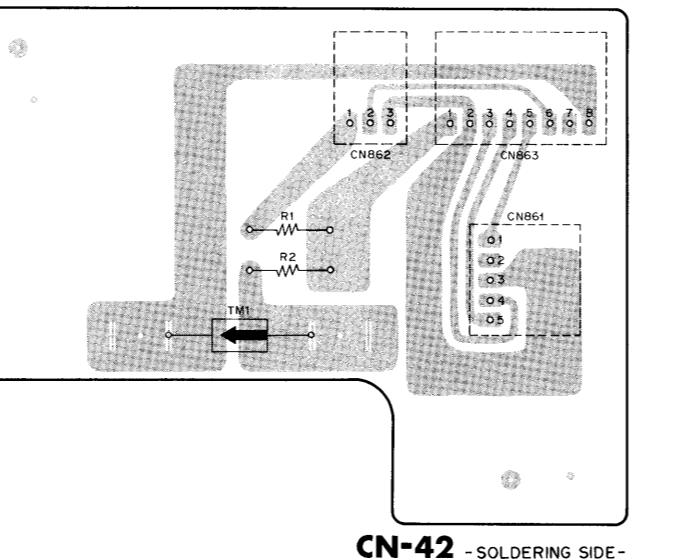
NOTE: The shaded and -marked components are critical to safety.
Replace only with same components as specified.

Replace only with same components as specified.

PD-16 (SOLENOID DRIVER / TAPE RUN DET)

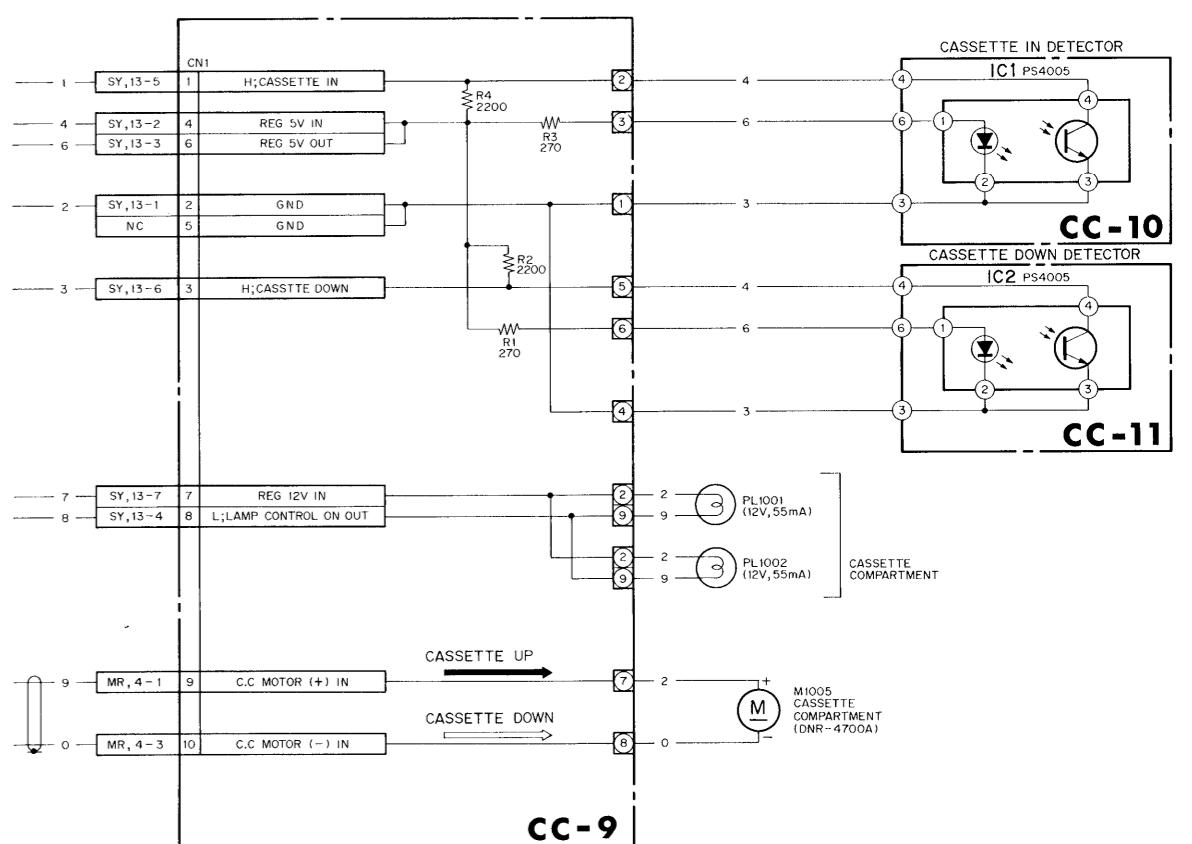
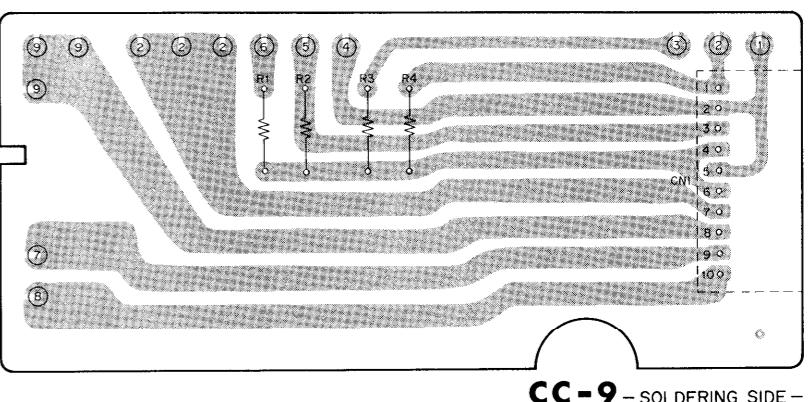
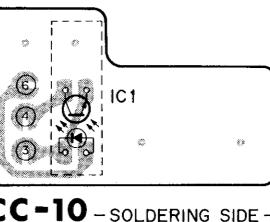
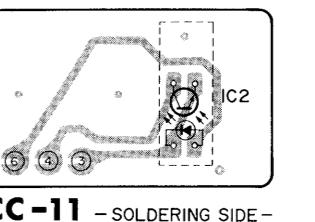
SW-43
PH-4

NOTE The shaded and -marked components are critical to safety.
Replace only with same components as specified.

CN-42
PH-5
SW-50
SW-46

CN-42

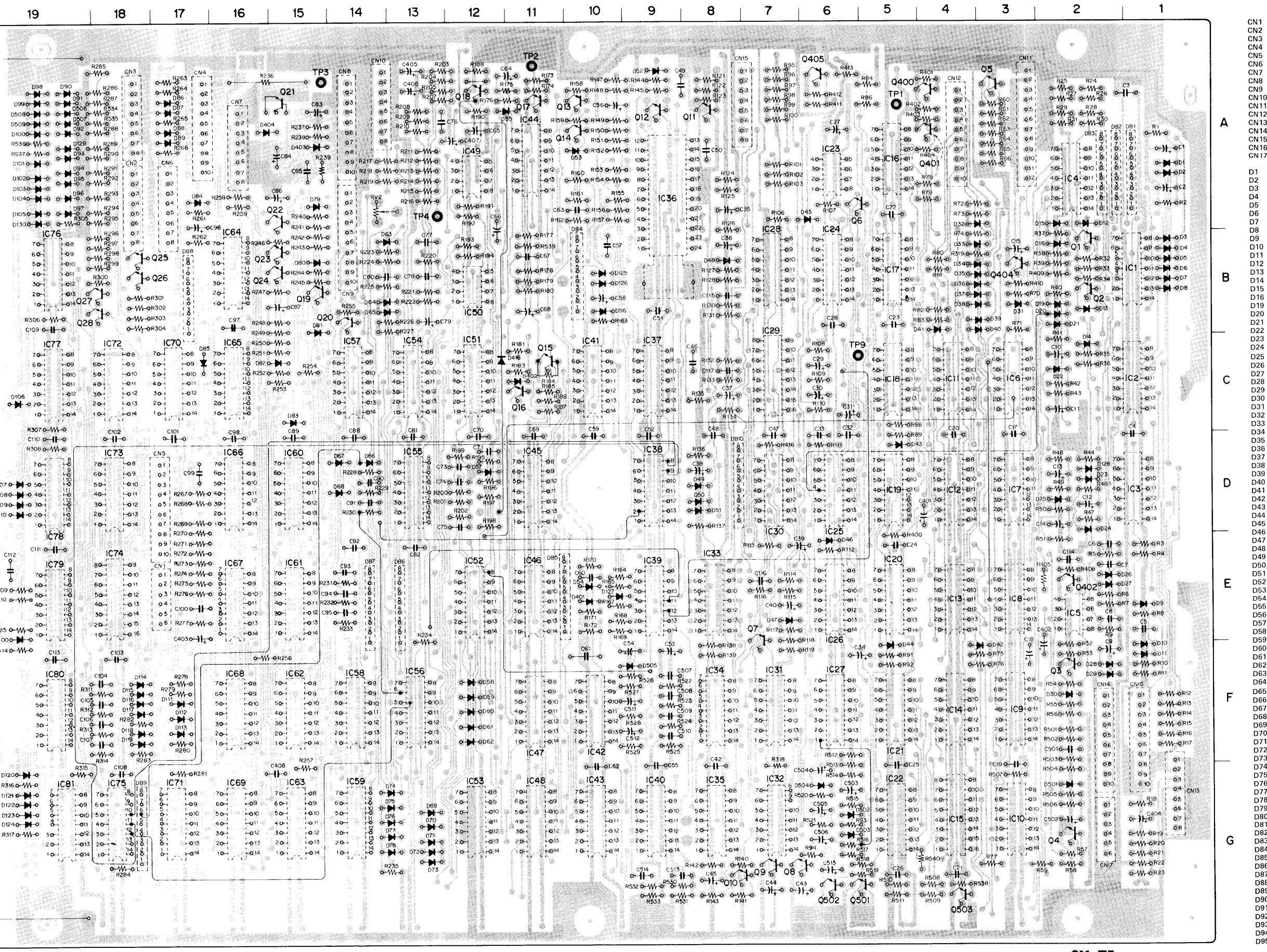
PH-5

CC-9
CC-10
CC-11

CC-9

SY-75 (SYSTEM CONTROL)

UP TO 10950 (U/C)



SY-75 - SOLDERING SIDE -

REF. NO.	TYPE.	12V PIN	5V PIN	GND PIN
IC1	TC4081BP	14	7	
IC2	TC4081BP	14	7	
IC3	TC4081BP	14	7	
IC4	μ PC4558C	8	4	
IC5	TC4069UBP	14	7	
IC6	TC4081BP	14	7	
IC7	TC4081BP	14	7	
IC8	TC4001BP	14	7	
IC9	M54529P	14	7	
IC10	M54529P	14	7	
IC11	TC4081BP	14	7	
IC12	TC4011BP	14	7	
CN1	E-17	D96	A-19	IC62 F-15
CN2	A-18	D97	A-19	IC63 G-15
CN3	A-18	D98	A-19	IC64 B-16
CN4	A-17	D99	A-19	IC65 C-16
CN5	D-17	D100	A-19	IC66 D-16
CN6	A-17	D101	A-19	IC67 E-16
CN7	A-16	D102	A-19	IC68 F-16
CN8	A-14	D103	A-19	IC69 G-16
CN9	B-14	D104	A-19	IC70 C-17
CN10	A-14	D105	A-19	IC71 G-17
CN11	A-3	D106	C-19	IC72 B-18
CN12	G-4	D107	D-19	IC73 D-18
CN13	G-1	D108	D-19	IC74 E-18
CN14	F-2	D109	D-19	IC75 G-18
CN15	A-7	D110	D-19	IC76 B-19
CN16	F-1	D111	F-17	IC77 C-19
CN17	G-2	D112	F-17	IC78 D-19
A		D113	F-17	IC79 E-19
B		D114	A-1	IC80 F-18
C		D115	F-18	IC81 G-19
D		D116	B-1	
E		D117	F-18	Q1 B-2
F		D118	B-1	Q2 B-2
G		D119	F-18	Q3 F-2

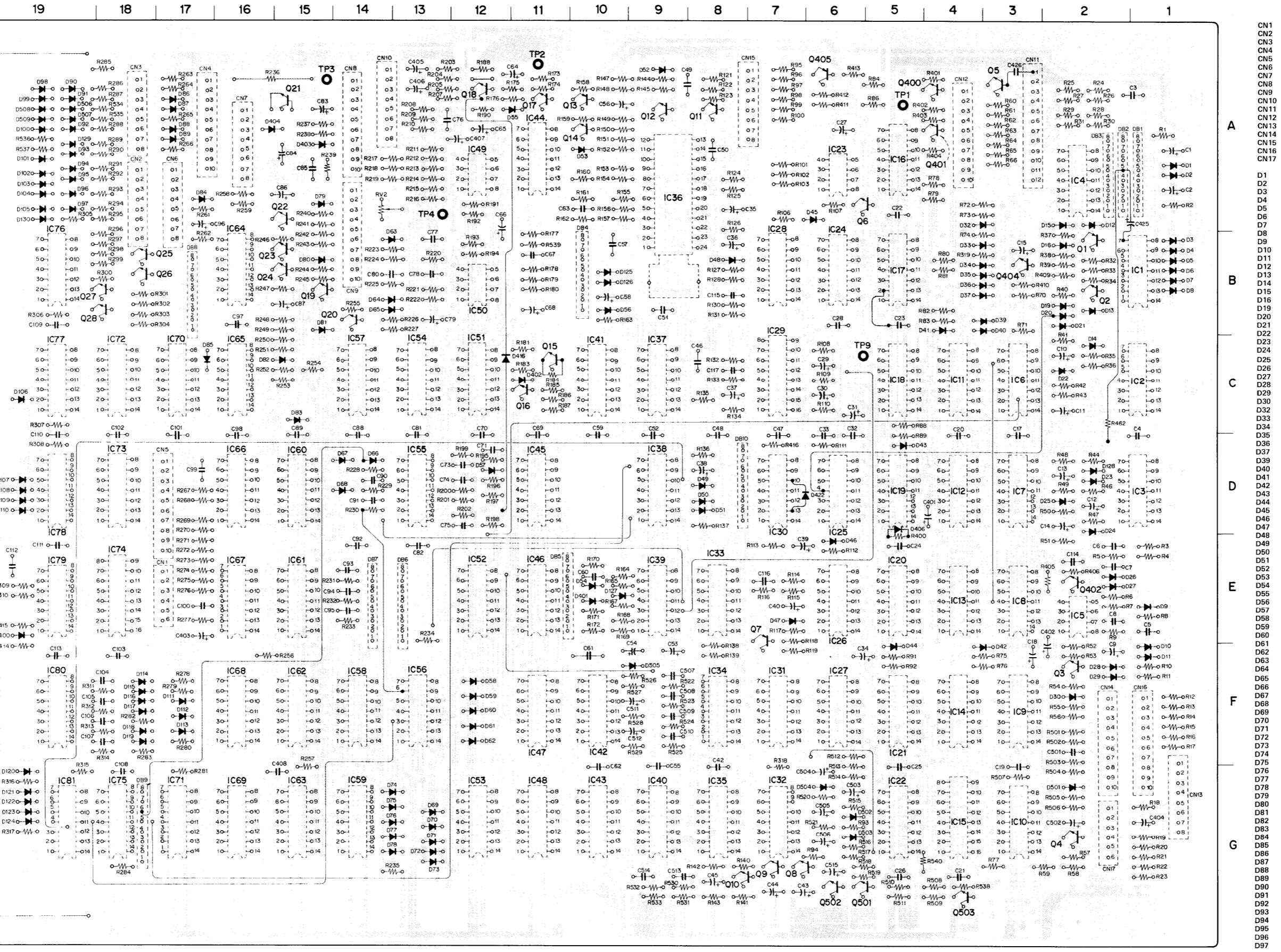
REF. NO.	TYPE.	12V PIN	5V PIN	GND PIN
IC1	TC4081BP	14	7	
IC2	TC4081BP	14	7	
IC3	TC4081BP	14	7	
IC4	μ PC4558C	8	4	
IC5	TC4069UBP	14	7	
IC6	TC4081BP	14	7	
IC7	TC4081BP	14	7	
IC8	TC4001BP	14	7	
IC9	M54529P	14	7	
IC10	M54529P	14	7	
IC11	TC4081BP	14	7	
IC12	TC4011BP	14	7	
CN1	E-17	D96	A-19	IC62 F-15
CN2	A-18	D97	A-19	IC63 G-15
CN3	A-18	D98	A-19	IC64 B-16
CN4	A-17	D99	A-19	IC65 C-16
CN5	D-17	D100	A-19	IC66 D-16
CN6	A-17	D101	A-19	IC67 E-16
CN7	A-16	D102	A-19	IC68 F-16
CN8	A-14	D103	A-19	IC69 G-16
CN9	B-14	D104	A-19	IC70 C-17
CN10	A-14	D105	A-19	IC71 G-17
CN11	A-3	D106	C-19	IC72 B-18
CN12	G-4	D107	D-19	IC73 D-18
CN13	G-1	D108	D-19	IC74 E-18
CN14	F-2	D109	D-19	IC75 G-18
CN15	A-7	D110	D-19	IC76 B-19
CN16	F-1	D111	F-17	IC77 C-19
CN17	G-2	D112	F-17	IC78 D-19
A		D113	F-17	IC79 E-19
B		D114	A-1	IC80 F-18
C		D115	F-18	IC81 G-19
D		D116	B-1	
E		D117	F-18	Q1 B-2
F		D118	B-1	Q2 B-2
G		D119	F-18	Q3 F-2

REF. NO.	TYPE.	12V PIN	5V PIN	GND PIN
IC1	TC4081BP	14	7	
IC2	TC4081BP	14	7	
IC3	TC4081BP	14	7	
IC4	μ PC4558C	8	4	
IC5	TC4069UBP	14	7	
IC6	TC4081BP	14	7	
IC7	TC4081BP	14	7	
IC8	TC4001BP	14	7	
IC9	M54529P	14	7	
IC10	M54529P	14	7	
IC11	TC4081BP	14	7	
IC12	TC4011BP	14	7	
CN1	E-17	D96	A-19	IC62 F-15
CN2	A-18	D97	A-19	IC63 G-15
CN3	A-18	D98	A-19	IC64 B-16
CN4	A-17	D99	A-19	IC65 C-16
CN5	D-17	D100	A-19	IC66 D-16
CN6	A-17	D101	A-19	IC67 E-16
CN7	A-16	D102	A-19	IC68 F-16
CN8	A-14	D103	A-19	IC69 G-16
CN9	B-14	D104	A-19	IC70 C-17
CN10	A-14	D105	A-19	IC71 G-17
CN11	A-3	D106	C-19	IC72 B-18
CN12	G-4	D107	D-19	IC73 D-18
CN13	G-1	D108	D-19	IC74 E-18
CN14	F-2	D109	D-19	IC75 G-18
CN15	A-7	D110	D-19	IC76 B-19
CN16	F-1	D111	F-17	IC77 C-19
CN17	G-2	D112	F-17	IC78 D-19
A		D113	F-17	IC79 E-19
B		D114	A-1	IC80 F-18
C		D115	F-18	IC81 G-19
D		D116	B-1	
E		D117	F-18	Q1 B-2
F		D118	B-1	Q2 B-2
G		D119	F-18	Q3 F-2

REF. NO.	TYPE.	12V PIN	5V PIN	GND PIN
IC1	TC4081BP	14	7	
IC2	TC4081BP	14	7	
IC3	TC4081BP	14	7	
IC4	μ PC4558C	8	4	
IC5	TC4069UBP	14	7	
IC6	TC4081BP	14	7	
IC7	TC4081BP	14	7	
IC8	TC4001BP	14	7	
IC9	M54529P	14	7	
IC10	M54529P	14	7	
IC11	TC4081BP	14	7	
IC12	TC4011BP	14	7	
CN1	E-17	D96	A-19	IC62 F-15
CN2	A-18	D97	A-19	IC63 G-15
CN3	A-18	D98	A-19	IC64 B-16
CN4	A-17	D99	A-19	IC65 C-16
CN5	D-17	D100	A-19	IC66 D-16
CN6	A-17	D101	A-19	IC67 E-16
CN7	A-16	D102	A-19	IC68 F-16
CN8	A-14	D103	A-19	IC69 G-16
CN9	B-14	D104	A-19	IC70 C-17
CN10	A-14	D105	A-19	IC71 G-17
CN11	A-3	D106	C-19	IC72 B-18
CN12	G-4	D107	D-19	IC73 D-18
CN13	G-1	D108	D-19	IC74 E-18
CN14	F-2	D109	D-19	IC75 G-18
CN15	A-7	D110	D-19	IC76 B-19
CN16	F-1	D111	F-17	IC77 C-19
CN17	G-2	D112	F-17	IC78 D-19
A		D113	F-17	IC79 E-19
B		D114	A-1	IC80 F-18
C		D115	F-18	IC81 G-19
D		D116	B-1	</

SY-75 (SYSTEM CONTROL)

S/N 10951 TO 18450 (U/C)

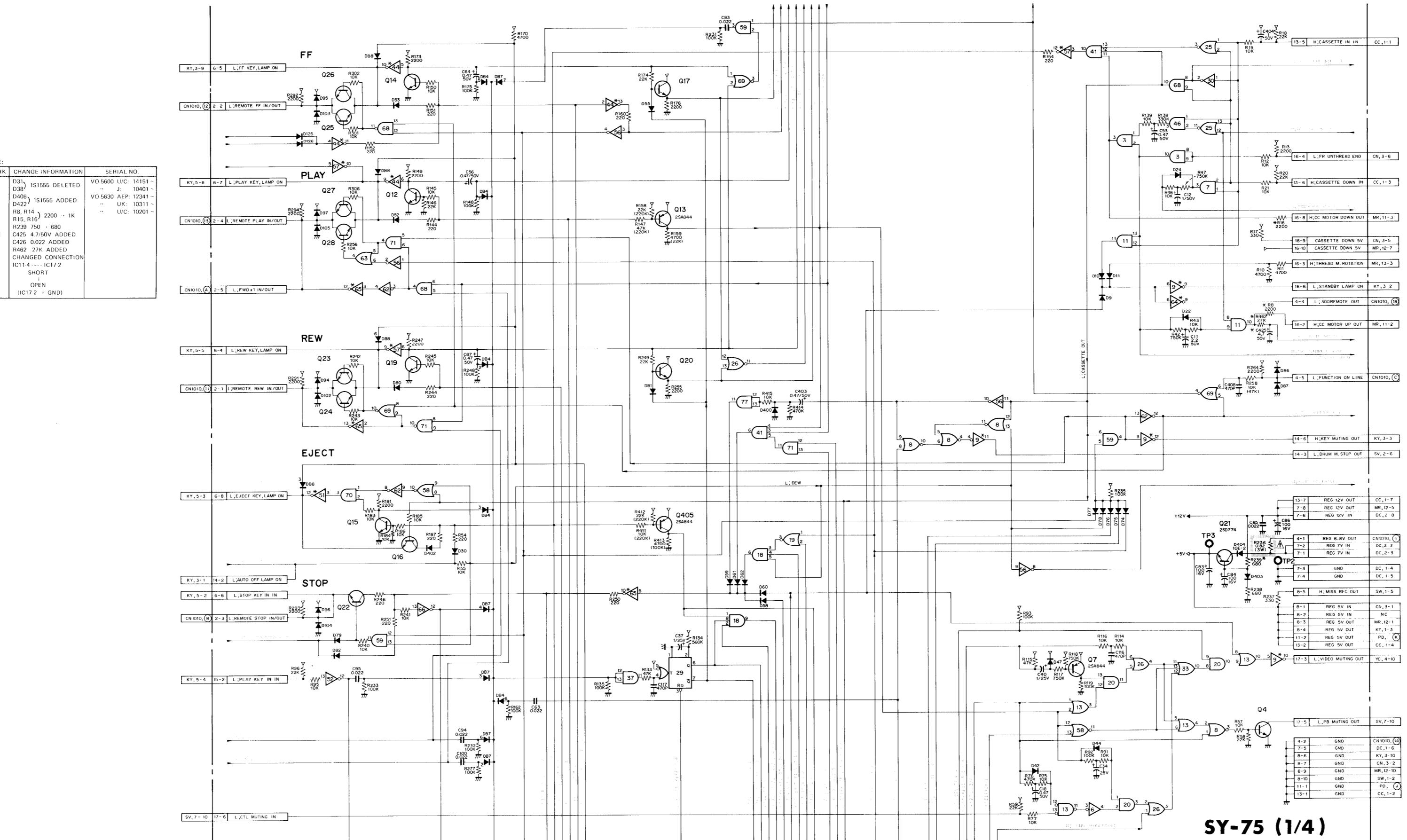


S - SOLDERING SIDE -

	D98	A - 19	IC62	F - 15	REF. NO.	TYPE.	12V PIN	5V PIN	GND PIN
18	D99	A - 19	IC63	G - 15	I C1	TC4081BP	1	4	7
19	D100	A - 19	IC64	B - 16	I C2	TC4001BP	1	4	7
17	D101	A - 19	IC65	C - 16	I C3	TC4081BP	1	4	7
17	D102	A - 19	IC66	D - 16	I C4	M54529P	1	4	7
17	D103	A - 19	IC67	E - 16	I C5	μ PC4558C	8	4	7
14	D104	A - 19	IC68	F - 16	I C6	TC4069UBP	1	4	7
14	D105	A - 19	IC69	G - 16	I C7	TC4081BP	1	4	7
14	D106	C - 19	IC70	C - 17	I C8	TC4001BP	1	4	7
3	D107	D - 19	IC71	G - 17	I C9	M54529P	1	4	7
4	D108	D - 19	IC72	C - 18	I C10	M54529P	1	4	7
1	D109	D - 19	IC73	D - 18	I C11	M54529P	1	4	7
1	D110	D - 19	IC74	E - 18	I C12	TC4081BP	1	4	7
2	D111	F - 17	IC75	G - 18	I C13	TC4071BP	1	4	7
2	D112	F - 17	IC76	B - 19	I C14	TC4001BP	1	4	7
2	D113	F - 17	IC77	C - 19	I C15	M54519P	1	4	7
2	D114	F - 18	IC78	D - 19	I C16	TC4011BP	1	4	7
1	D115	F - 18	IC79	E - 19	I C17	TC4071BP	1	4	7
1	D116	F - 18	IC80	F - 19	I C18	TC4073BP	1	4	7
1	D117	F - 18	IC81	G - 19	I C19	TC4001BP	1	4	7
1	D118	F - 18			I C20	TC4081BP	1	4	7
1	D119	F - 18	Q1	B - 2	I C21	TC4011BP	1	4	7
1	D120	G - 19	Q2	B - 2	I C22	TC4069UBP	1	4	7
1	D121	G - 19	Q3	F - 2	I C23	μ PC4558C	8	4	7
1	D122	G - 19	Q4	G - 2	I C24	TC4081BP	1	4	7
1	D123	G - 19	Q5	A - 3	I C25	TC4001BP	1	4	7
1	D124	G - 19	Q6	A - 5	I C26	TC4071BP	1	4	7
1	D125	B - 10	Q7	E - 7	I C27	TC4001BP	1	4	7
1	D126	B - 10	Q8	G - 7	I C28	TC4069UBP	1	4	7
2	D127	E - 10	Q9	G - 7	I C29	HD14538BP	1	6	8
2	D128	D - 2	Q10	G - 8	I C30	TC4069UBP	1	4	7
2	D130	A - 19	Q11	A - 8	I C31	TC4069UBP	1	4	7
2	D400	E - 19	Q12	A - 9	I C32	TC4081BP	1	4	7
2	D401	E - 10	Q13	A - 10	I C33	TC4075BP	1	4	7
2	D402	C - 11	Q14	A - 10	I C34	TC4001BP	1	4	7
2	D403	A - 15	Q15	C - 11	I C35	TC4001BP	1	4	7
2	D404	A - 16	Q16	C - 11	I C36	CX757	1	4	7
2	D406	D - 5	Q17	A - 11	I C37	TC4081BP	1	4	7
2	D416	C - 12	Q18	A - 12	I C38	TC4025BP	1	4	7
2	D422	D - 7	Q19	B - 15	I C39	TC4030BP	1	4	7
2	D501	G - 2	Q20	B - 14	I C40	TC4069UBP	1	4	7
2	D502	G - 6	Q21	A - 15	I C41	TC4073BP	1	4	7
2	D503	G - 6	Q22	A - 15	I C42	TC4001BP	1	4	7
2	D504	G - 6	Q23	B - 15	I C43	TC4011BP	1	4	7
2	D505	F - 9	Q24	B - 15	I C44	M54529P	1	4	7
4	D506	A - 19	Q25	B - 18	I C45	TC4081BP	1	4	7
4	D507	A - 19	Q26	B - 18	I C46	TC4081BP	1	4	7
4	D508	A - 19	Q27	B - 18	I C47	TC4081BP	1	4	7
4	D509	A - 19	Q28	B - 18	I C48	TC4011BP	1	4	7
4			Q400	A - 4	I C49	NJM2903D	8	4	7
4	IC1	B - 1	Q401	A - 4	I C50	NJM4558D-D	8	4	7
4	IC2	C - 1	Q402	E - 2	I C51	M54529P	1	4	7
4	IC3	D - 1	Q404	B - 3	I C52	TC4069UBP	1	4	7
4	IC4	A - 2	Q405	A - 6	I C53	TC4012BP	1	4	7
4	IC5	E - 2	Q501	G - 6	I C54	TC4011BP	1	4	7
4	IC6	C - 3	Q502	G - 6	I C55	TC4013BP	1	4	7
4	IC7	D - 3	Q503	G - 4	I C56	TC4069UBP	1	4	7
4	IC8	E - 3			I C57	M54529P	1	4	7
4	IC9	F - 3	RV2	A - 14	I C58	TC4001BP	1	4	7
4	IC10	G - 3			I C59	TC4081BP	1	4	7
4	IC11	C - 4	TP1	A - 5	I C60	TC4081BP	1	4	7
4	IC12	D - 4	TP2	A - 11	I C61	TC4081BP	1	4	7
4	IC13	E - 4	TP3	A - 15	I C62	TC4069UBP	1	4	7
4	IC14	F - 4	TP4	A - 13	I C63	TC4071BP	1	4	7
4	IC15	G - 4	TP9	C - 6	I C64	M54529P	1	4	7
4	IC16	A - 5			I C65	TC4081BP	1	4	7
4	IC17	B - 5			I C66	TC4081BP	1	4	7
4	IC18	C - 5			I C67	TC4069UBP	1	4	7
4	IC19	D - 5			I C68	TC4011BP	1	4	7
4	IC20	E - 5			I C69	TC4001BP	1	4	7
4	IC21	F - 5			I C70	TC4081BP	1	4	7
4	IC22	G - 5			I C71	TC4081BP	1	4	7
4	IC23	A - 6			I C72	TC4013BP	1	4	7
4	IC24	B - 6			I C73	TC4073BP	1	4	7
4	IC25	D - 6			I C74	TC4520BP	1	6	8
4	IC26	E - 6			I C75	TC4001BP	1	4	7
4	IC27	F - 6			I C76	M54529P	1	4	7
4	IC28	B - 7			I C77	TC4081BP	1	4	7
4	IC29	C - 7			I C78	TC4025BP	1	4	7
4	IC30	D - 7			I C79	TC4069UBP	1	4	7
4	IC31	F - 7			I C80	TC4001BP	1	4	7
4	IC32	G - 7			I C81	TC4001BP	1	4	7
4	IC33	E - 8			I C506	TC4001BP	1	4	7
4	IC34	F - 8							
4	IC35	G - 8							
4	IC36	A - 9							
4	IC37	C - 9							
4	IC38	D - 9							
4	IC39	E - 9							
4	IC40	G - 9							
4	IC41	C - 10							
4	IC42	F - 10							
4	IC43	G - 10							
4	IC44	A - 11							
4	IC45	D - 11							
4	IC46	E - 11							
4	IC47	F - 11							
4	IC48	G - 11							
4	IC49	A - 12							
4	IC50	B - 12							
4	IC51	C - 12							
4	IC52	E - 12							
4	IC53	G - 12							
4	IC54	C - 13							
4	IC55	D - 13							
4	IC56	F - 13							
4	IC57	C - 14							
4	IC58	F - 14							
4	IC59	G - 14							
4	IC60	D - 15							
4	IC61	E - 15							

**SY-75 (1/4)
(SYSTEM CONTROL)**

S/N UP TO 18450 (U/C)



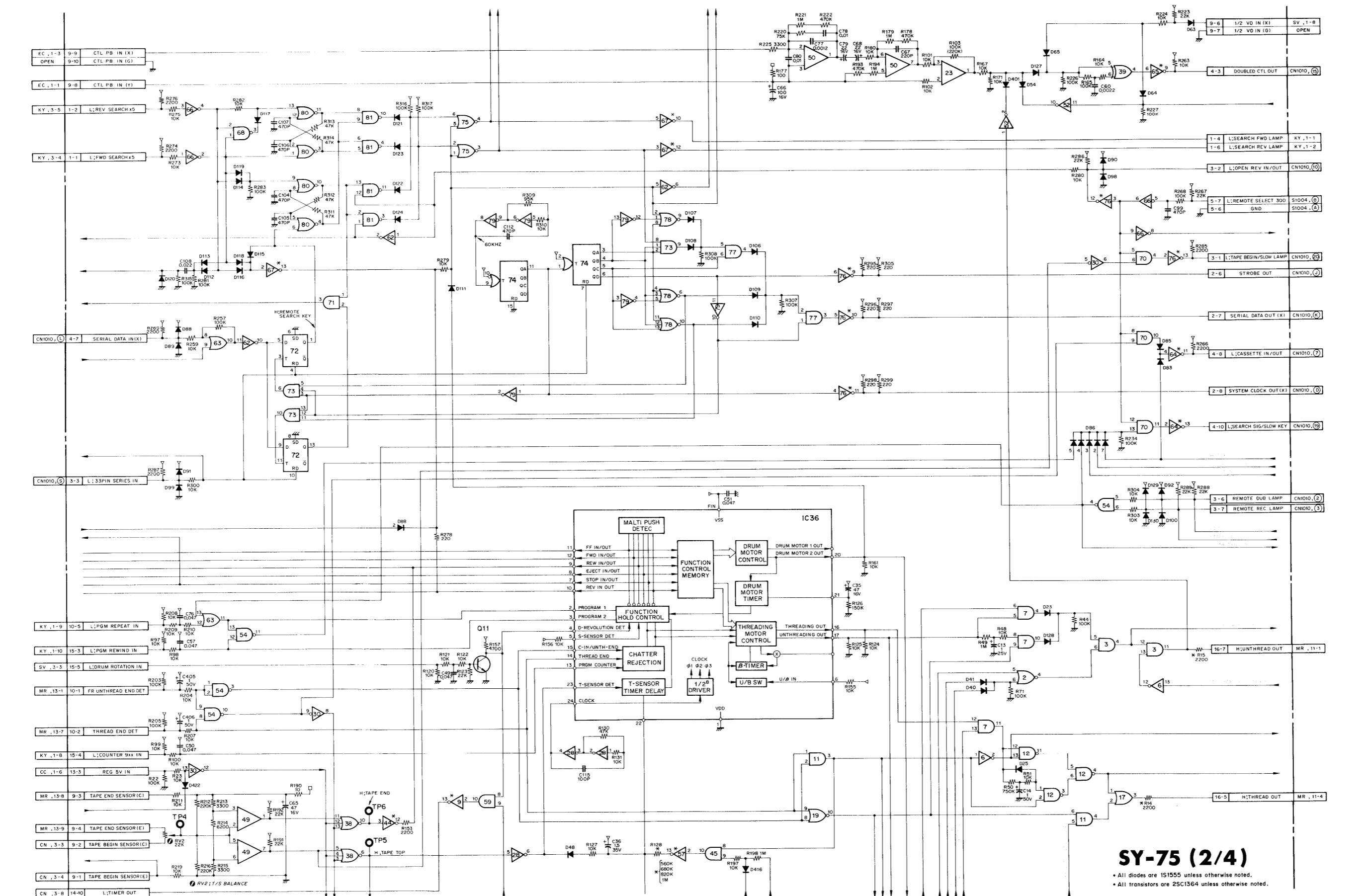
Y-75 (1/4)

Transistors are 2SC1364 unless otherwise noted.

E: The shaded and -marked components are critical to safety.
Replace only with same components as specified.

SY-75 (2/4)
(SYSTEM CONTROL)

S/N UP TO 18450 (U/C)

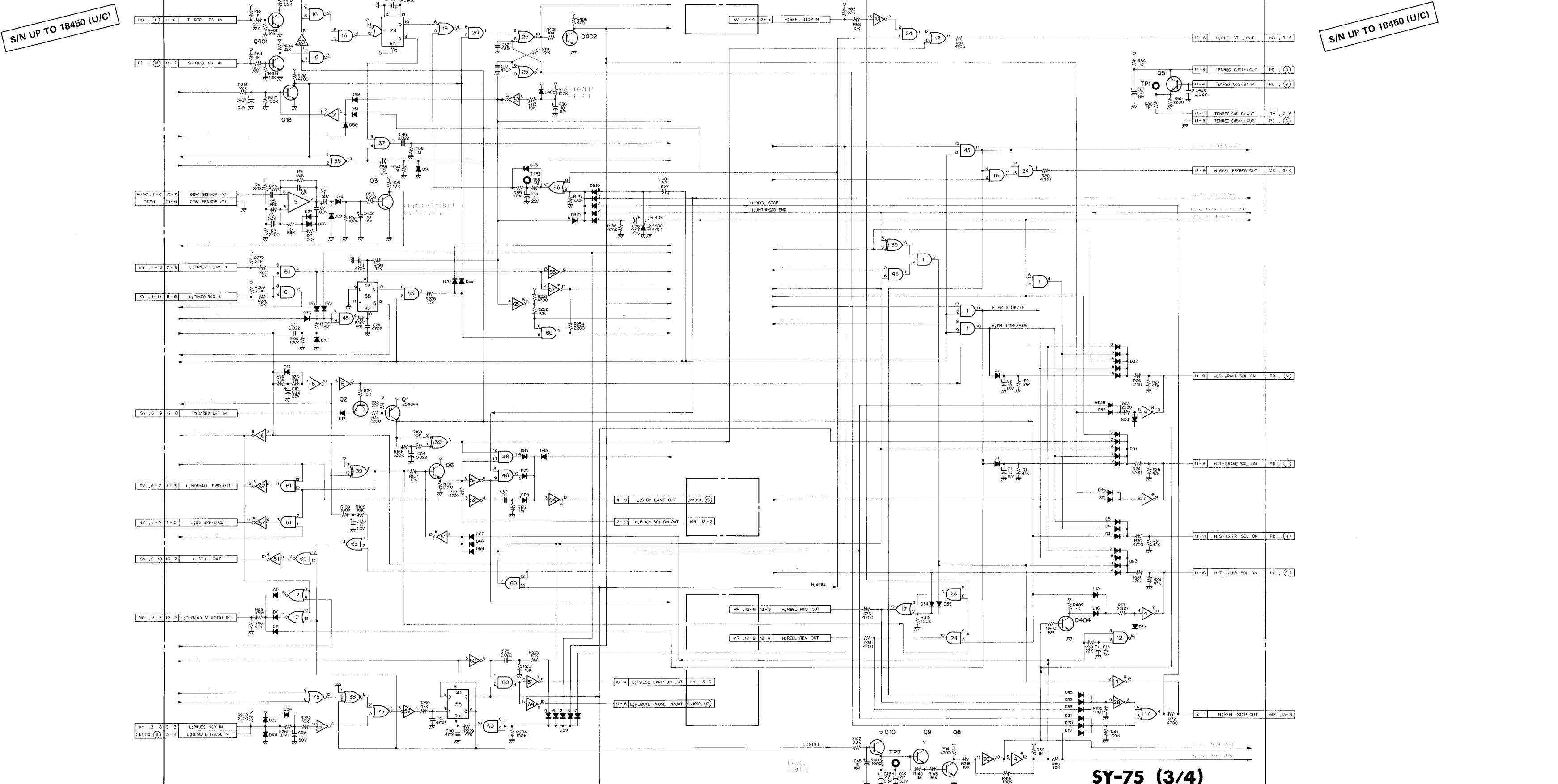


SY-75 (2/4)

* All diodes are 1S1555 unless otherwise noted.
* All transistors are 2SC1364 unless otherwise noted.

With () are S/N 10951 and later (U/C).

NOTE: The shaded and -marked components are critical to safety.
Replace only with same components as specified.

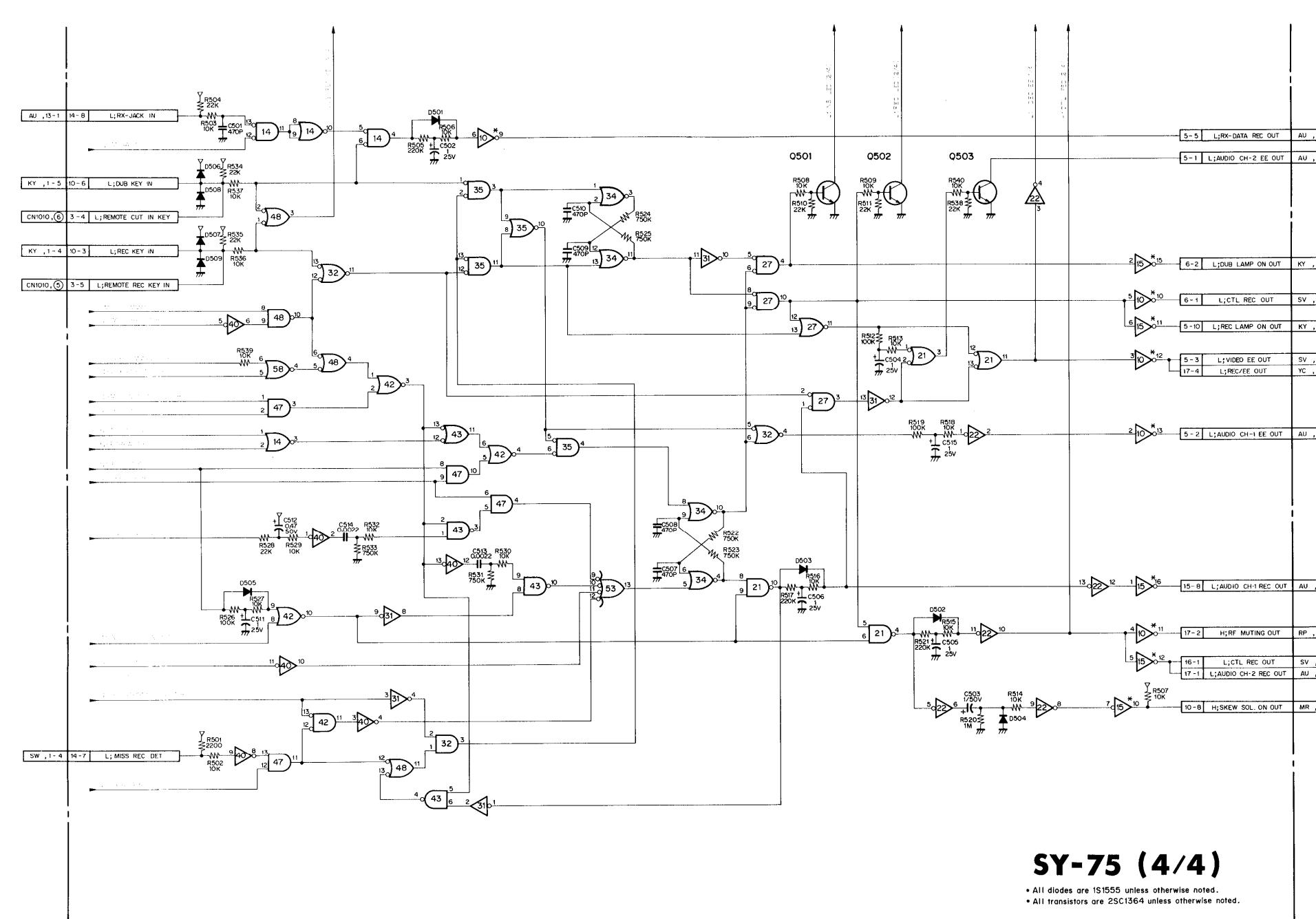
SY-75 (3/4)
(SYSTEM CONTROL)

SY-75 (3/4)

* All diodes are 1S1555 unless otherwise noted.
* All transistors are 2SC1364 unless otherwise noted.

SY-75 (4/4)
(SYSTEM CONTROL)

S/N UP TO 18450 (U/C)

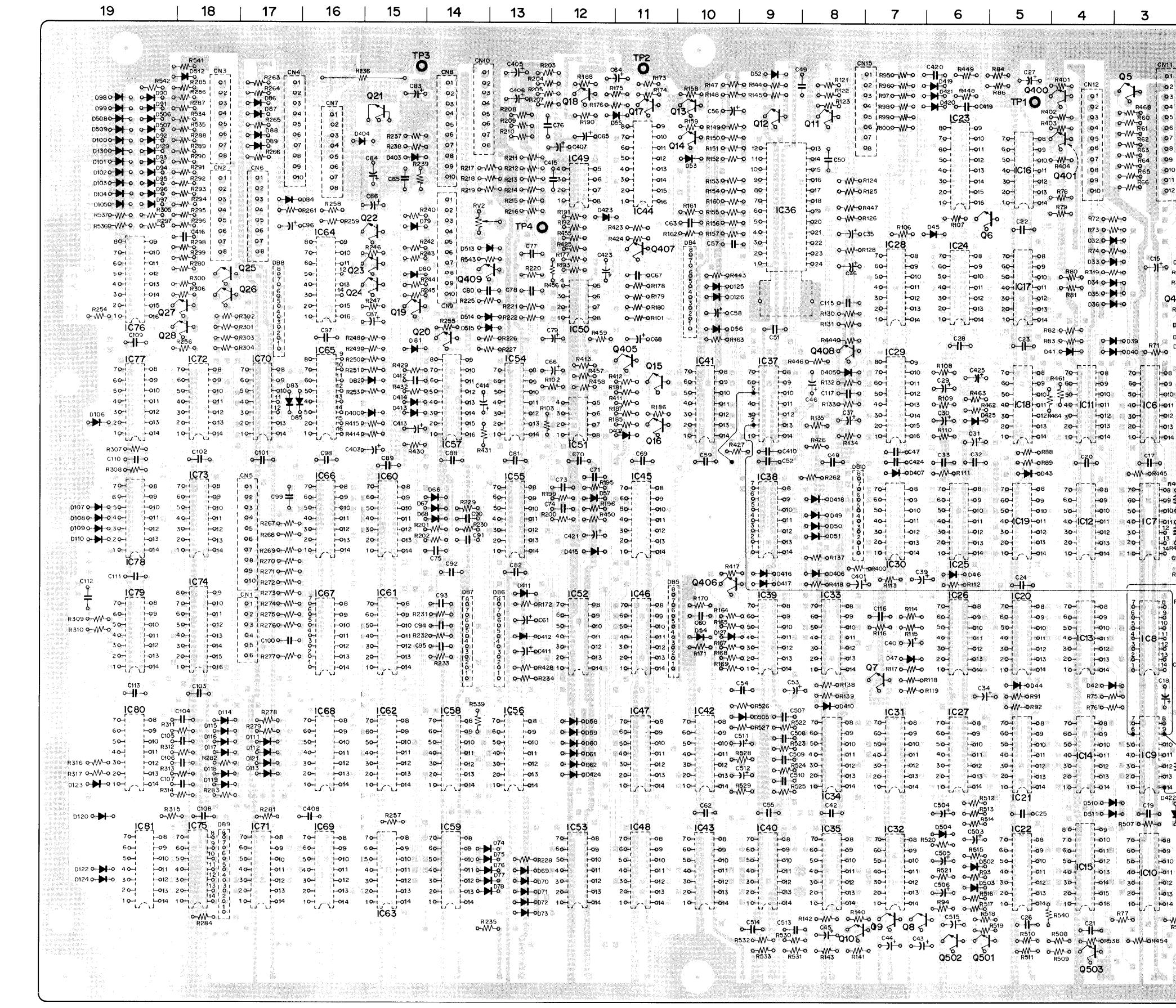


SY-75 (4/4)

* All diodes are 1S1555 unless otherwise noted.
* All transistors are 2SC1364 unless otherwise noted.

NOTE: The shaded and -marked components are critical to safety.
Replace only with same components as specified.

N 18451 TO 21850 (U/C)

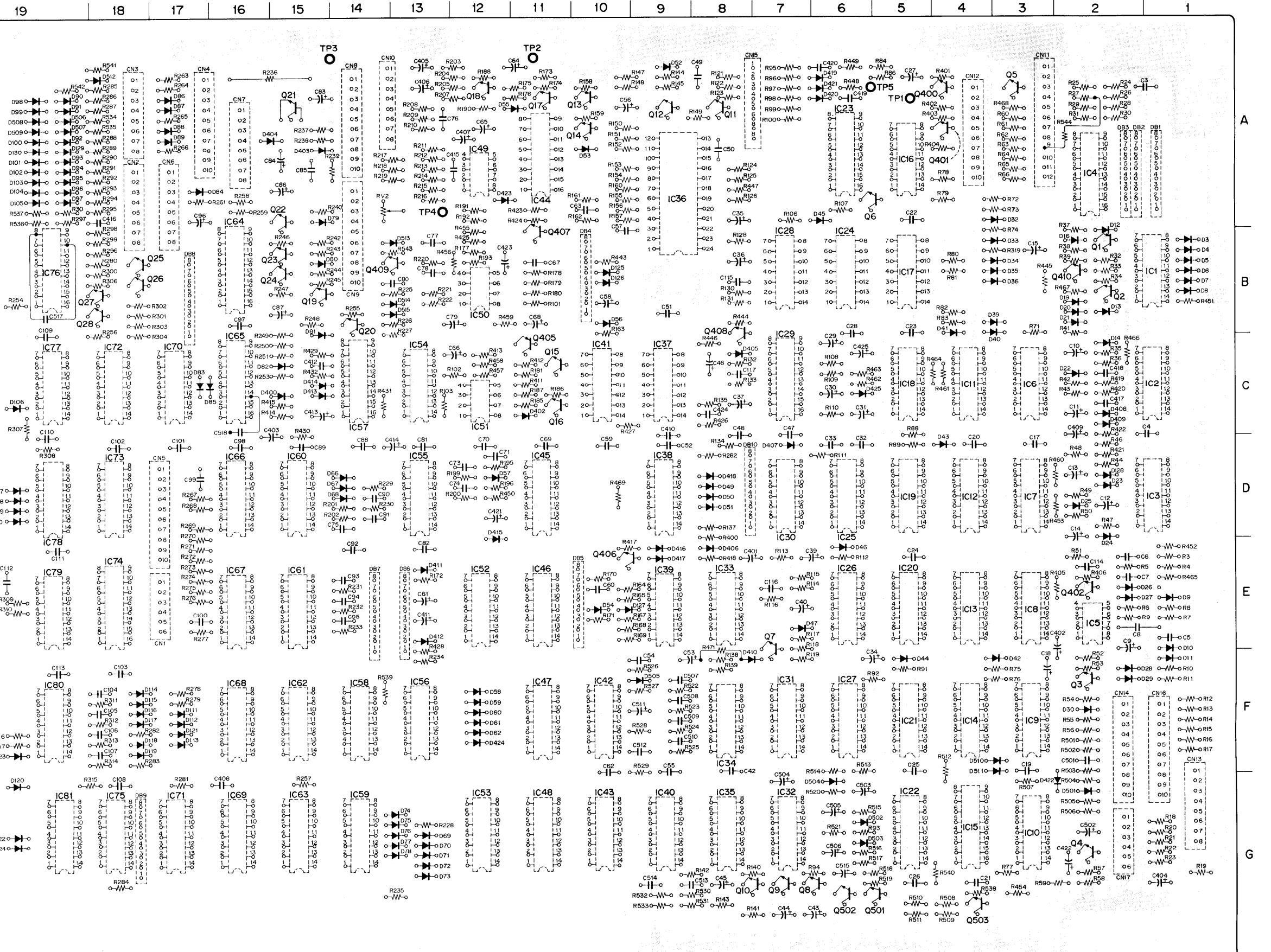


317

A - 19	IC26	E - 6	REF.	TYPE	12V
A - 19	IC27	F - 6	NO.		PIN
A - 19	IC28	B - 7	IC1	TC4081BP	
A - 19	IC29	C - 7	IC2	TC4001BP	
A - 19	IC30	D - 7	IC3	TC4081BP	
A - 19	IC31	F - 7	IC4	TD62302P	8
A - 19	IC32	G - 7	IC5	μPC4558C	
A - 19	IC33	E - 8	IC6	TC4069UBP	
A - 19	IC34	F - 8	IC7	TC4081BP	
C - 19	IC35	G - 8	IC8	TC4001BP	
D - 19	IC36	A - 9	IC9	M64529P	
D - 19	IC37	C - 9	IC10	M64529P	
D - 19	IC38	D - 9	IC11	TC4081BP	
D - 19	IC39	E - 9	IC12	TC4011BP	
D - 19	IC40	G - 9	IC13	TC4071BP	
F - 17	IC41	C - 10	IC14	TC4001BP	
F - 17	IC42	F - 10	IC15	M64519P	
F - 18	IC43	G - 10	IC16	TC4011BP	
F - 18	IC44	A - 11	IC17	TC4071BP	
F - 18	IC45	D - 11	IC18	TC4073BP	
F - 18	IC46	E - 11	IC19	TC4001BP	
F - 18	IC47	F - 11	IC20	TC4081BP	
F - 18	IC48	G - 11	IC21	TC4011BP	
F - 18	IC49	A - 12	IC22	TC4069UBP	
G - 19	IC50	B - 12	IC23	μPC4558C	8
F - 17	IC51	C - 12	IC24	TC4081BP	
G - 19	IC52	E - 12	IC25	TC4001BP	
F - 19	IC53	G - 12	IC26	TC4071BP	
G - 19	IC54	C - 13	IC27	TC4001BP	
B - 10	IC55	D - 13	IC28	TC4069UBP	
B - 10	IC56	F - 13	IC29	HD14538BP	
E - 10	IC57	C - 14	IC30	MC14584BCP	
D - 2	IC58	F - 14	IC31	TC4069UBP	
A - 19	IC59	G - 14	IC32	TC4081BP	
A - 19	IC60	D - 15	IC33	TC4075BP	
C - 15	IC61	E - 15	IC34	TC4001BP	
C - 11	IC62	F - 15	IC35	TC4001BP	
A - 15	IC63	G - 15	IC36	CX75	
A - 16	IC64	B - 16	IC37	TC4081BP	
C - 8	IC65	C - 16	IC38	TC4025BP	
E - 8	IC66	D - 16	IC39	TC4030BP	
D - 7	IC67	E - 16	IC40	MC14584BCP	
C - 2	IC68	F - 16	IC41	TC4073BP	
C - 2	IC69	G - 16	IC42	TC4001BP	
F - 8	IC70	C - 17	IC43	TC4011BP	
E - 13	IC71	G - 17	IC44	TD62302P	
E - 13	IC72	C - 18	IC45	TC4081BP	
C - 15	IC73	D - 18	IC46	TC4081BP	
C - 15	IC74	E - 18	IC47	TC4081BP	
D - 12	IC75	G - 18	IC48	TC4011BP	
E - 9	IC76	B - 19	IC49	NJM2930D	
E - 9	IC77	C - 19	IC50	NJM4558D-D	8
D - 8	IC78	D - 19	IC51	μPC4558C	8
A - 6	IC79	E - 19	IC52	TC4069UBP	
A - 6	IC80	F - 19	IC53	TC4012BP	
A - 6	IC81	G - 19	IC54	TC4011BP	
G - 2			IC55	TC4013BP	
A - 12	Q1	B - 2	IC56	TC4069UBP	
F - 12	Q2	B - 2	IC57	MC14538BCP	
C - 6	Q3	F - 2	IC58	TC4001BP	
G - 2	Q4	G - 2	IC59	TC4081BP	
G - 6	Q5	A - 3	IC60	TC4081BP	
G - 6	Q6	A - 5	IC61	TC4081BP	
G - 6	Q7	E - 7	IC62	TC4069UBP	
F - 10	Q8	G - 7	IC63	TC4071BP	
A - 19	Q9	G - 7	IC64	TD62302P	
A - 19	Q10	G - 8	IC65	TD62302P	
A - 19	Q11	A - 8	IC66	TC4069UBP	
A - 19	Q12	A - 9	IC67	M54529P	
F - 3	Q13	A - 10	IC68	TC4011BP	
G - 3	Q14	A - 10	IC69	TC4001BP	
A - 18	Q15	C - 11	IC70	TC4081BP	
B - 13	Q16	C - 11	IC71	TC4081BP	
B - 13	Q17	A - 11	IC72	TC4013BP	
B - 13	Q18	A - 12	IC73	TC4073BP	
B - 1	Q19	B - 15	IC74	TC4520BP	
C - 1	Q20	B - 14	IC75	TC4001BP	
D - 1	Q21	A - 15	IC76	TD62302P	
A - 2	Q22	A - 15	IC77	TC4081BP	
E - 2	Q23	B - 15	IC78	TC4025BP	
C - 3	Q24	B - 15	IC79	TC4069UBP	
D - 3	Q25	B - 18	IC80	TC4001BP	
F - 3	Q26	B - 18			
	Q27	B - 18			

SY-75 (SYSTEM CONTROL)

N 21851 TO 34950 (U/C)

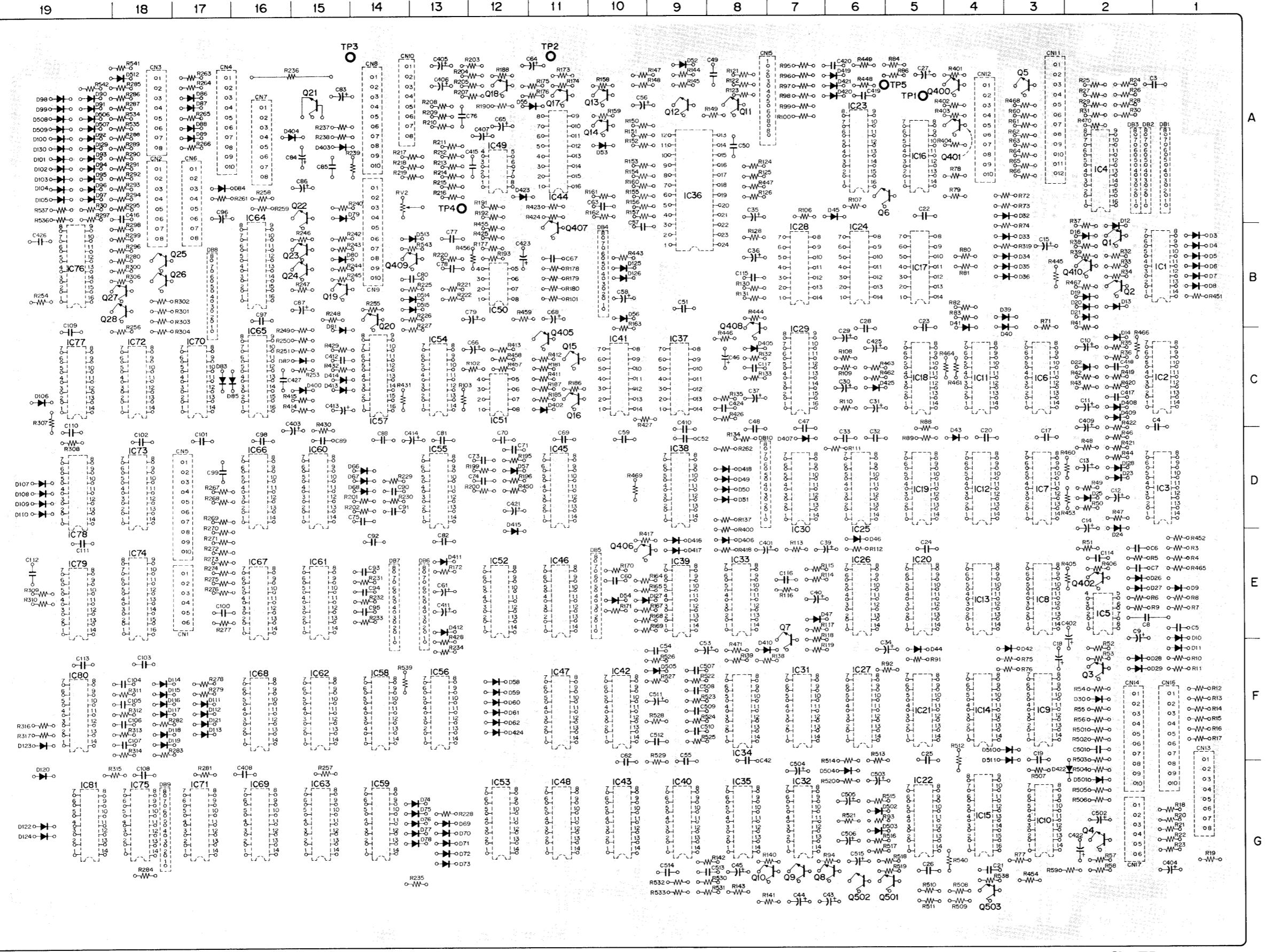


-75 - SOLDERING SIDE -
68-15

REF. NO.	TYPE	12V PIN	5V PIN	GND PIN
IC1	TC4081BP		14	7
IC2	TC4001BP		14	7
IC3	TC4081BP		14	7
IC4	TD62302P		9	8
IC5	μ PC4558C	8		4
IC6	TC4069UBP		14	7
IC7	TC4081BP		14	7
IC8	TC4001BP		14	7
IC9	M54529P		14	7
IC10	M54529P		14	7
IC11	TC4081BP		14	7
IC12	TC4011BP		14	7
IC13	TC4071BP		14	7
IC14	TC4001BP		14	7
IC15	M54519P		14	7
IC16	TC4011BP		14	7
IC17	TC4071BP		14	7
IC18	TC4073BP		14	7
IC19	TC4001BP		14	7
IC20	TC4081BP		14	7
IC21	TC4011BP		14	7
IC22	TC4069UBP		14	7
IC23	TC4020BP	8	16	8
IC24	TC4081BP		14	7
IC25	TC4001BP		14	7
IC26	TC4071BP		14	7
IC27	TC4001BP		14	7
IC28	TC4069UBP		14	7
IC29	HD14538BP		16	8
IC30	MC14584BCP		14	7
IC31	TC4069UBP		14	7
IC32	TC4081BP		14	7
IC33	TC4075BP		14	7
IC34	TC4001BP		14	7
IC35	TC4001BP		14	7
IC36	CX757			
IC37	TC4081BP		14	7
IC38	TC4025BP		14	7
IC39	TC4030BP		14	7
IC40	TC4069UBP		14	7
IC41	TC4073BP		14	7
IC42	TC4001BP		14	7
IC43	TC4011BP		14	7
IC44	TD62302P		9	8
IC45	TC4081BP		14	7
IC46	TC4081BP		14	7
IC47	TC4081BP		14	7
IC48	TC4011BP		14	7
IC49	NJM2903D			
IC50	NJM4558D-D	8	4	4
IC51	μ PC4558C		8	4
IC52	TC4069UBP		14	7
IC53	TC4012BP		14	7
IC54	TC4011BP		14	7
IC55	TC4013BP		14	7
IC56	TC4069UBP		14	7
IC57	HD14538BP		16	8
IC58	TC4001BP		14	7
IC59	TC4081BP		14	7
IC60	TC4081BP		14	7
IC61	TC4081BP		14	7
IC62	TC4069UBP		14	7
IC63	TC4071BP		14	7
IC64	TD62302P		9	8
IC65	TD62302P		9	8
IC66	TC4069UBP		14	7
IC67	M64529P		14	7
IC68	TC4011BP		14	7
IC69	TC4001BP		14	7
IC70	TC4081BP		14	7
IC71	TC4081BP		14	7
IC72	TC4013BP		14	7
IC73	TC4073BP		14	7
IC74	TC4520BP		16	8
IC75	TC4001BP		14	7
IC76	TD62302P		9	8
IC77	TC4081BP		14	7
IC78	TC4025BP		14	7
IC79	TC4069UBP		14	7
IC80	TC4001BP		14	7

SY-75 (SYSTEM CONTROL)

SIN 34951 AND LATER (U/C)



SY-75 - SOLDERING SIDE -

1-606-368-16
VO-5600
VO-5630

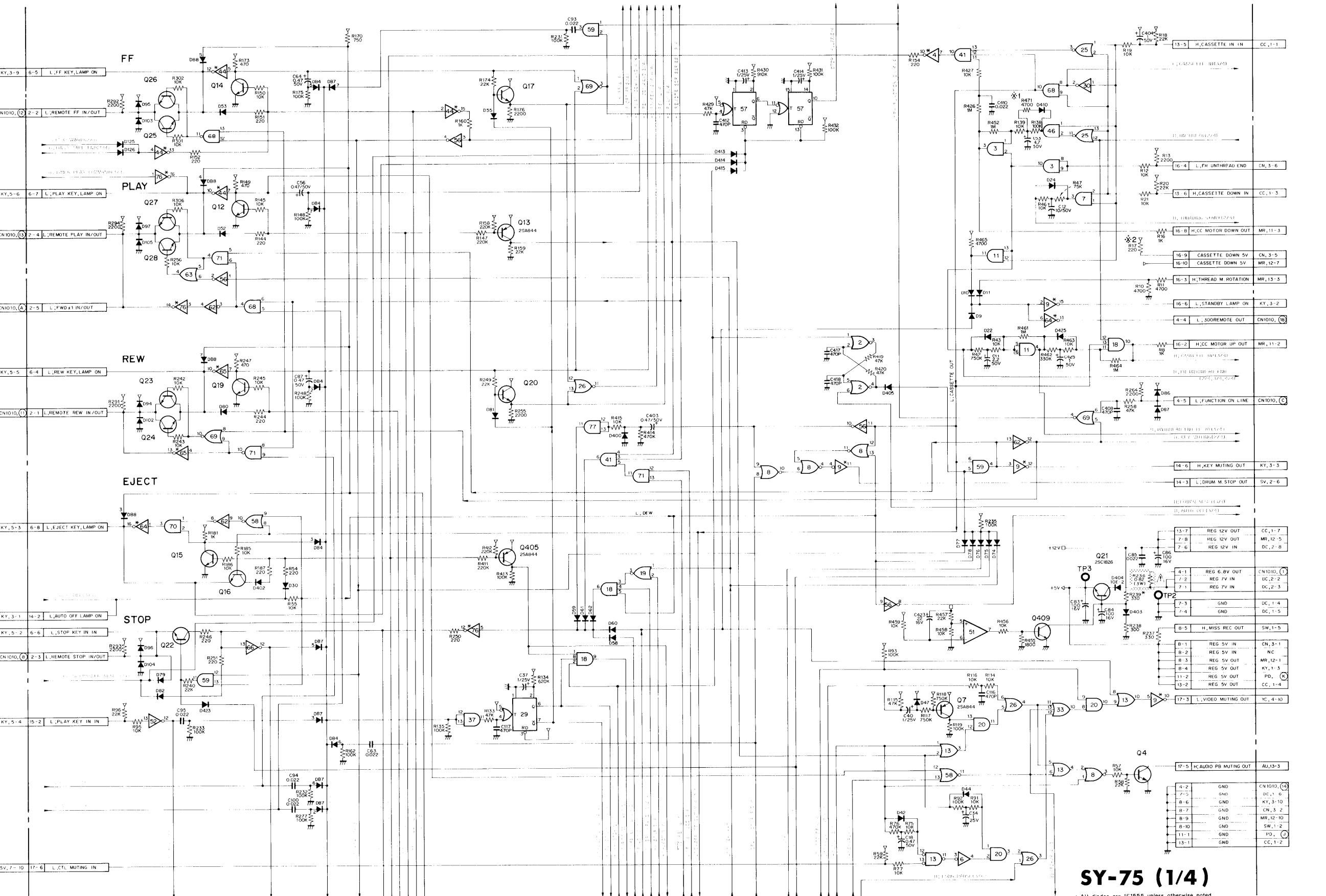
REF. NO.	TYPE	12V PIN	5V PIN	GND PIN
IC1	TC4081BP	14	7	
IC2	TC4001BP	14	7	
IC3	TC4081BP	14	7	
IC4	PC4558C	8	4	
IC5	TC4069UBP	14	7	
IC6	TC4081BP	14	7	
IC7	TC4001BP	14	7	
IC8	MS4529P	14	7	
IC9	TD62302P	14	7	
IC10	TC4081BP	14	7	
IC11	TC4011BP	14	7	
IC12	TC4011BP	14	7	
IC13	TC4071BP	14	7	
IC14	TC4001BP	14	7	
IC15	MS4519P	14	7	
IC16	TC4011BP	14	7	
IC17	TC4073BP	14	7	
IC18	TC4001BP	14	7	
IC19	TC4081BP	14	7	
IC20	TC4069UBP	14	7	
IC21	TC4011BP	14	7	
IC22	TC4069UBP	14	7	
IC23	TC4020BP	8	8	
IC24	TC4081BP	14	7	
IC25	TC4001BP	14	7	
IC26	TC4071BP	14	7	
IC27	TC4001BP	14	7	
IC28	TC4069UBP	14	7	
IC29	HD14538BP	16	8	
IC30	MC4558C	14	7	
IC31	TC4069UBP	14	7	
IC32	TC4075BP	14	7	
IC33	TC4001BP	14	7	
IC34	TC4000BP	14	7	
IC35	TC4001BP	14	7	
IC36	CX75			
IC37	TC4081BP	14	7	
IC38	TC4025BP	14	7	
IC39	TC4030BP	14	7	
IC40	TC4075BP	14	7	
IC41	TC4073BP	14	7	
IC42	TC4001BP	14	7	
IC43	TC4069UBP	14	7	
IC44	TC4011BP	14	7	
IC45	TC4013BP	14	7	
IC46	TC4081BP	14	7	
IC47	TC4001BP	14	7	
IC48	TC4011BP	14	7	
IC49	NJ4129BD	8	4	
IC50	NJ4129D	8	4	
IC51	PC4558C			
IC52	TC4069UBP			
IC53	TC4012BP			
IC54	TC4011BP			
IC55	TC4013BP			
IC56	TC4069UBP			
IC57	HD14538BP	16	8	
IC58	TC4001BP	14	7	
IC59	TC4081BP	14	7	
IC60	TC4069UBP	14	7	
IC61	TC4081BP	14	7	
IC62	TC4069UBP	14	7	
IC63	TC4073BP	14	7	
IC64	TC4001BP	14	7	
IC65	TC4011BP	14	7	
IC66	TC4069UBP	14	7	
IC67	TC4013BP			
IC68	TC4081BP			
IC69	TC4001BP			
IC70	TC4069UBP			
IC71	TC4081BP			
IC72	TC4001BP			
IC73	TC4069UBP			
IC74	TC4011BP			
IC75	TC4081BP			
IC76	TC4001BP			
IC77	TC4069UBP			
IC78	TC4011BP			
IC79	TC4081BP			
IC80	TC4001BP			
IC81	TC4069UBP			

14-78 (d)

SY-75 (1/4) SYSTEM CONTROL)

S/N 18451 AND LATER (U/C)

MARK	CHANGE INFORMATION	SERIAL NO.		
		VO 5600 U/C:	22351 ~	.. J: 11101 ~
X-1	R471 4700 ADDED	VO 5630 AEP:	22341 ~	.. UK: 12811 ~
		.. U/C:	10401 ~	
		VO 5600 U/C:	28451 ~	.. J: 11801 ~
X-2	R117 330 + 220	VO 5630 AEP:	28441 ~	.. UK: 13811 ~
		.. U/C:	10501 ~	



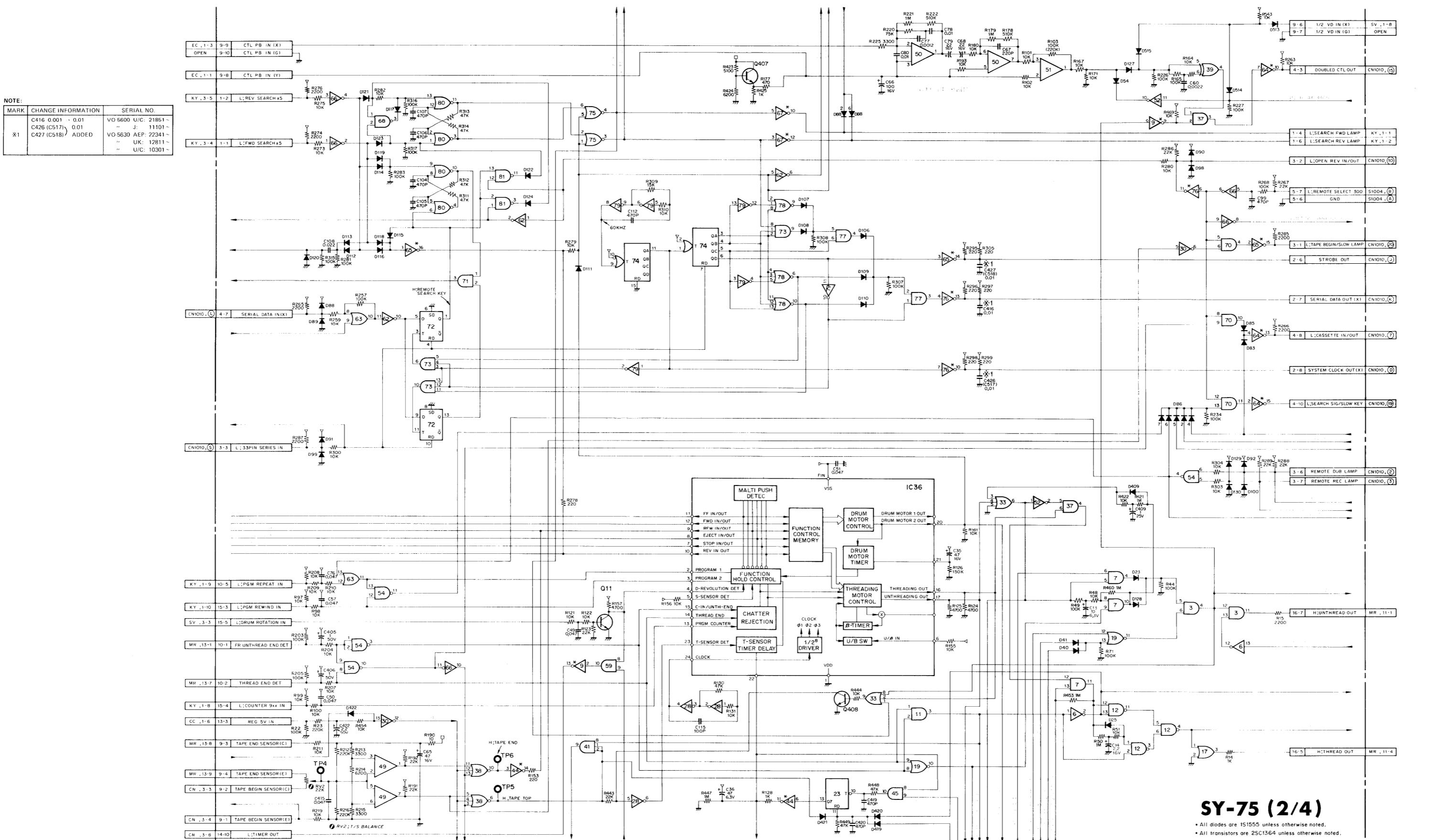
Y-75 (1/4)

- Diodes are 1S1555 unless otherwise noted.
Transistors are 2SC1364 unless otherwise noted.

E: The shaded and -marked components are critical to safety.
Replace only with same components as specified.

SY-75 (2/4) (SYSTEM CONTROL)

S/N 18451 AND LATER (U/C)

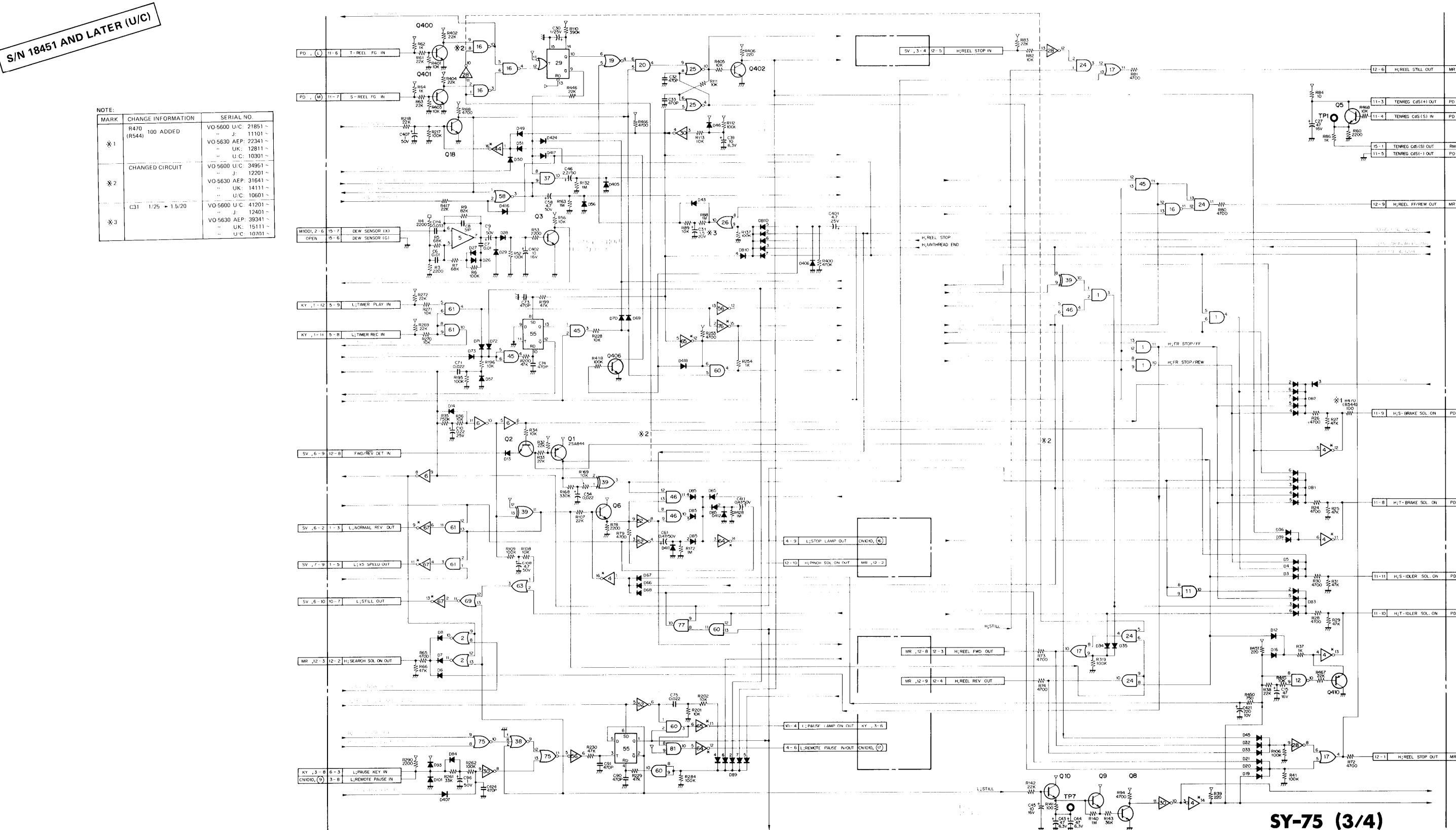


75 (2/4)

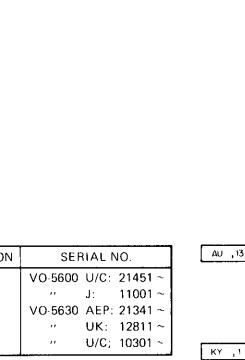
IS1555 unless otherwise noted.
are 2SC1364 unless otherwise noted.

E: The shaded and -marked components are critical to safety.

SY-75 (3/4) (SYSTEM CONTROL)



SY-75 (4/4) (SYSTEM CONTROL)



NOTE: The shaded and -marked components are critical to safety.
Replace only with same components as specified.